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University Calendar,  
FOR THE YEAR  
1920-1921.

TO WHICH ARE ADDED

THE ORDINARY PAPERS SET IN THE YEAR 1919-1920.



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THE

DUBLIN UNIVERSITY CALENDAR

FOR THE YEAR

1920-1921.

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## THE PRESENT MODE OF PUBLISHING THE UNIVERSITY CALENDAR.

IN Trinity Term, 1920, the Board arranged that in future the Calendar should consist of the following parts, and be published at the following dates:—

THE DUBLIN UNIVERSITY CALENDAR, to be published during the Long Vacation, and to contain:—full information as to the Ordinary and Honor Courses in Arts and in the Professional Schools, the results of Ordinary and Honor Examinations held in Arts and in the Professional Schools, the Degrees conferred during the preceding year, the additions to date of the lists in the Special Supplemental Volume, the lists of the Students on the College Books, the Senate, the University Electors added during the preceding year, and the Undergraduate Ordinary Examination Papers.

A SPECIAL SUPPLEMENTAL VOLUME, to be published from time to time as the Editor of the Calendar may think fit, and to contain the lists of Past Prizemen and Exhibitioners in Arts, and in the Professional Schools, of Graduates in Honors, of Honorary Degrees, of Degrees in the Professional Schools, of Provosts, Fellows, Scholars, Professors, Chancellors, Vice-Chancellors, and Representatives in Parliament, and of the Benefactors of Trinity College, all to be made as complete as possible. [*This Volume was first published as Vol. II. in 1901, and was republished as Vol. III. in 1906 and in 1913.*]

THE SUPPLEMENT TO THE CALENDAR, to be published as soon as possible after the 1st of January in each year, and to contain the Papers set at the Honor Examinations in Arts, and at the Examinations in the Professional Schools.



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THE DUBLIN  
University Calendar,  
FOR THE YEAR  
1920—1921.

TO WHICH ARE ADDED  
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## Days of Examination.

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### Michaelmas Term, 1920.

#### B.A. DEGREE EXAMINATION.

Wednesday and Thursday, December 15 and 16.

#### SUPPLEMENTAL FINAL FRESHMAN EXAMINATION.

Thursday and Friday, October 21 and 22.

#### TERM EXAMINATIONS.

*These Examinations last two days, and commence as stated below.*

*Junior Sophisters, Monday, October 18.*

*Junior Freshmen, Wednesday, October 13.*

#### ENTRANCE EXAMINATIONS.

*Autumn Entrance, Monday and Tuesday, October 11 and 12.*

*Supplemental Entrance, Monday and Tuesday, November 1 and 2.*

#### EXAMINATION FOR JUNIOR AND SCHOOL EXHIBITIONS.

Wednesday, Thursday, Friday, Saturday, and Monday, October 13, 14, 15, 16, and 18.

#### CATECHETICAL EXAMINATIONS.

*The Catechetical Examination of each class is held on the week-day following the Term Examination.*

#### MODERATORSHIP EXAMINATIONS.

*Examinations for Moderatorships last four days, and commence as stated below.*

MATHEMATICS, Thursday, October 14.

CLASSICS, Monday, October 11.

MENTAL AND MORAL PHILOSOPHY, EXPERIMENTAL SCIENCE, AND MODERN LITERATURE, Monday, October 25.

HISTORY AND POLITICAL SCIENCE, AND LEGAL AND POLITICAL SCIENCE, Tuesday, October 19.

## TERM PRIZE AND SPECIAL PRIZE EXAMINATIONS.

Students are required to give notice (see under "Notice") to the Senior Lecturer of their intention to compete at any of the following Term Prize or Special Prize Examinations, and a programme will be published before the end of the Term. They are requested to state also at the same time whether they intend to present themselves at a Term Examination.

*Term Prize Examinations*

*Junior Sophisters.* — Mathematics, Classics, Mental and Moral Philosophy, Experimental Science, Natural Science, History and Political Science, Modern Literature, Legal and Political Science, Celtic Languages.

*Senior Freshmen.* — Mathematics, Classics, Mental and Moral Philosophy, History, English Literature, French, German, Experimental Science, Natural Science, Old and Middle Irish.

*Junior Freshmen.* — Mathematics, Classics, Mental and Moral Philosophy, History, English Literature, French, German, Experimental Science, Natural Science, Old and Middle Irish.

*Special Prize Examinations.*

Lloyd Exhibition, Bishop Law's Mathematical Premiums, Vice-Chancellor's Latin Medals, Dunbar Ingram.

## ENTRANCE PRIZE EXAMINATIONS.

Greek Prose, Monday, October 25.

Greek Verse, Tuesday, October 26.

Latin Prose, Wednesday, October 27.

Latin Verse, Thursday, October 28.

English Literature and Composition, Friday, October 29.

English History and Modern Geography, Monday, November 1.

French, Wednesday, October 20.

German, Tuesday, October 19.

Hebrew, Monday, October 18.

Experimental Science, Monday and Tuesday, October 25 and 26.

Natural Science, Thursday and Friday, October 21 and 22.

Modern Irish, Saturday, October 23.

Scripture, Saturday, October 30.



**Hilary Term, 1921.****SUPPLEMENTAL B.A. DEGREE EXAMINATION.**

Monday and Tuesday, January 10 and 11.

**SUPPLEMENTAL FINAL FRESHMAN EXAMINATION.**

Monday and Tuesday, January 17 and 18.

**TERM EXAMINATIONS.**

*These Examinations last two days, and commence as stated below.*

*Senior Sophisters, Monday, January 10.*

*Junior Sophisters, Thursday, January 13.*

*Senior Freshmen, Monday, January 17.*

*Junior Freshmen, Saturday, January 22.*

**ENTRANCE EXAMINATION.**

Thursday and Friday, January 20 and 21.

**CATECHETICAL EXAMINATIONS.**

*The Catechetical Examination of each class is held on the week-day following the Term Examination.*

**TERM HONOR AND SPECIAL PRIZE EXAMINATIONS.**

Students are required to give notice (see under "Notice") to the Senior Lecturer of their intention to compete at any of the following Term Honor or Special Prize Examinations, and a programme will be published before the end of the Term. They are requested to state also at the same time whether they intend to present themselves at a Term Examination.

*Term Honor Examinations.*

*Senior Sophisters.* — Mathematics, Classics, Mental and Moral Philosophy, Experimental Science, Natural Science, Legal and Political Science.

*Junior Sophisters.* — Mathematics, Classics, Mental and Moral Philosophy, Experimental Science, Natural Science, History and Political Science, Modern Literature, Legal and Political Science.

*Senior Freshmen.* — Mathematics, Classics, Mental and Moral Philosophy, Experimental Science, History, English Literature, French, German.

*Junior Freshmen.* — Mathematics, Classics, Experimental Science, History, English Literature, French, German.

*Special Prize Examinations.*

M'Cullagh Prize, Berkeley Medals, Wray Prize.

### Trinity Term, 1921.

EXAMINATIONS FOR SCHOLARSHIPS IN CLASSICS, MATHEMATICS, EXPERIMENTAL SCIENCE, MODERN LANGUAGES, NATURAL SCIENCE, HISTORY AND POLITICAL SCIENCE, AND MENTAL AND MORAL PHILOSOPHY commence on Wednesday, April 27.

#### SUPPLEMENTAL B.A. DEGREE EXAMINATION.

Friday and Saturday, April 15 and 16.

#### SPECIAL B.A. DEGREE EXAMINATION.

Monday and Tuesday, June 27 and 28.

#### FINAL FRESHMAN EXAMINATION.

Wednesday, Thursday, and Friday, June 22, 23, and 24.

#### TERM EXAMINATIONS.

*These Examinations last two days, and commence as stated below.*

*Senior Sophisters, Friday, April 15.*

*Junior Sophisters, Wednesday, April 20.*

*Senior Freshmen, Saturday, April 23.*

*Junior Freshmen, Friday, April 29.*

*Junior Freshmen Supplementing Hilary Examination, Saturday, June 18.*

#### CATECHETICAL EXAMINATIONS.

*The Catechetical Examination of each class is held on the week-day following the Term Examination.*

#### ENTRANCE EXAMINATIONS.

*Supplemental Entrance, Wednesday and Thursday, April 27 and 28.*

*Midsummer Entrance, Thursday and Friday, June 16 and 17.*

#### EXAMINATION FOR SIZARSHIPS.

Saturday and Monday, June 18 and 20.

#### TERM HONOR AND SPECIAL PRIZE EXAMINATIONS.

Students are required to give notice (see under "Notice") to the Senior Lecturer of their intention to compete at any of the following Term Honor or Special Prize Examinations, and a programme will be published before the end of the Term. They are requested to state also at the same time whether they intend to compete for Scholarship or present themselves at a Term Examination.

#### *Term Honor Examinations.*

*Senior Sophisters.*—Mathematics, Classics, Experimental Science, Natural Science, Legal and Political Science.

*Junior Sophisters.*—Mathematics, Classics, Mental and Moral Philosophy, Experimental Science, Natural Science, History and Political Science, Modern Literature, Legal and Political Science.

*Term Honor Examinations—continued.*

*Senior Freshmen.* — Mathematics, Classics, Mental and Moral Philosophy, Experimental Science, History, English Literature, French, German.

*Junior Freshmen.*—Mathematics, Classics, Experimental Science, History, English Literature, French, German.

*Special Prize Examinations.*

Wall Biblical Scholarship, Biblical Greek, Ecclesiastical History, Ferrar Memorial, Political Economy, Old and Middle English, Hebrew, Chaldee, Syriac, Arabic, Persian, Hindustani, Sanskrit, Irish, Italian, Spanish, Old French and Provençal, Dompierre-Chaufepié.

**Michaelmas Term, 1921.**

## B.A. DEGREE EXAMINATION.

Friday and Saturday, December 16 and 17.

## SUPPLEMENTAL FINAL FRESHMAN EXAMINATION.

Thursday and Friday, October 20 and 21.

## TERM EXAMINATIONS.

*These Examinations last two days, and commence as stated below*

*Junior Sophisters*, Monday, October 17.

*Junior Freshmen*, Wednesday, October 12.

## ENTRANCE EXAMINATIONS.

*Autumn Entrance*, Monday and Tuesday, October 10 and 11.

*Supplemental Entrance*, Tuesday and Wednesday, November 1 and 2.

## EXAMINATION FOR KIDD SCHOLARSHIP AND FOR JUNIOR AND SCHOOL EXHIBITIONS.

Wednesday, Thursday, Friday, Saturday, and Monday, October 12, 13, 14, 15, and 17.

## CATECHETICAL EXAMINATIONS.

*The Catechetical Examination of each class is held on the week-day following the Term Examination.*

## EXAMINATIONS FOR MODERATORSHIPS.

*Examinations for Moderatorships last four days. A programme will be published before the end of Trinity Term.*



## TERM PRIZE AND SPECIAL PRIZE EXAMINATIONS.

Students are required to give notice (see under "Notice") to the Senior Lecturer of their intention to compete at any of the following Term Prize or Special Prize Examinations, and a programme will be published before the end of the Term. They are requested to state also at the same time whether they intend to present themselves at a Term Examination.

*Term Prize Examinations.*

*Junior Sophisters.* — Mathematics, Classics, Mental and Moral Philosophy, Experimental Science, Natural Science, History and Political Science, Modern Literature, Legal and Political Science, Celtic Languages.

*Senior Freshmen.* — Mathematics, Classics, Mental and Moral Philosophy, Experimental Science, History, English Literature, French, German, Natural Science, Old and Middle Irish.

*Junior Freshmen.* — Mathematics, Classics, Mental and Moral Philosophy, Experimental Science, History, English Literature, French, German, Natural Science, Old and Middle Irish.

*Special Prize Examinations.*

Lloyd Exhibition, Bishop Law's Mathematical Premiums, Vice-Chancellor's Latin Medals, Dunbar Ingram.

## ENTRANCE PRIZE EXAMINATIONS.

Greek Prose, Monday, October 24.

Greek Verse, Tuesday, October 25.

Latin Prose, Wednesday, October 26.

Latin Verse, Thursday, October 27.

English Literature and Composition, Friday, October 28.

English History and Modern Geography, Monday, October 31.

French, Wednesday, October 19.

German, Tuesday, October 18.

Hebrew, Monday, October 17.

Experimental Science, Monday and Tuesday, October 24 and 25.

Natural Science, Thursday and Friday, October 20 and 21.

Modern Irish, Saturday, October 22.

Scripture, Saturday, October 29.

## Supplemental List of Special Prizes in Arts.

Alice Oldham Memorial Prize—Awarded biennially from 1910, to women students from Alexandra College, at the Junior Sophister Prize Examinations in Michaelmas Term. Next competition in 1920.

Biggs Memorial Prize—Awarded at the Examination for Junior and School Exhibitions to Students from Chesterfield School, Birr, or Galway Grammar School, or Portora Royal School, Enniskillen.

Blake Scholarships—Essays to be sent in on or before November 1st every fourth year. Next Competition, November 1, 1920.

Brooke Prizes—Awarded at the Moderatorship Examination in Classics and Mathematics.

Charles Wilkins Memorial Prize—Awarded to the woman who answers best in Mathematics at the Examination for Junior and School Exhibitions, and at a Special Examination on Thursday, October 21, 1920, and Thursday, October 20, 1921.

Cluff Memorial Prize—Awarded at Junior Sophister Prize Examination in Modern History, Michaelmas Term.

Dr. Henry Hutchinson Stewart Scholarship in English Literature—Awarded on the results of the Honor Examinations in English, French, and German Literature held in the Junior Sophister and Senior and Junior Freshman years.

Ekenhead Scholarship—Every third year. Next Examination, in 1923.

Elrington Theological Prize—The Essays to be given to the Provost or Regius Professor of Divinity on or before 1st November in each year.

Ferguson Memorial Prize—Awarded every third year. Next competition in 1922. Exercises to be sent to the Senior Lecturer not later than March 17.

Fitz Gerald Memorial Scholarship—Awarded annually on sufficient merit being shown by the candidate in his experimental work and in his answering in the Physical part of the examination for Moderatorships in Experimental Science.

Haslett Memorial Scholarship—Awarded at the Examination for Junior and School Exhibitions to students from St. Andrew's College, Dublin.

Jellett Prizes for General Answering—Awarded at Final Freshman Examination held at the end of Trinity Term.

SUPPLEMENTAL LIST OF SPECIAL PRIZES IN ARTS—*continued.*

**Kidd Scholarship**—Every fourth year. Next Examination in 1921.  
(See page 5\*.)

**King Edward Prize**—Awarded annually to the Respondent who answers best in the whole Course required at the Degree Examination in December.

**Littledale Prize**—Awarded at the Michaelmas Senior Freshman Prize Examination in English Literature.

**Madden Prize**—Awarded at the Fellowship Examination.

**Marshall Porter Memorial Prize**—Awarded at the Examination for Scholarships in Classics.

**Michael Roberts Prize**—Awarded at the Senior Freshman Mathematical Prize Examination, Michaelmas Term.

**Moderatorship Prizes**—Awarded at the Degree Examination.

**Mullins Classical Exhibition**—Every third year. Next examination in 1922.

**Townsend Memorial Prize**—Awarded on the results of the Honor Examinations in Mathematics in the Junior Freshman year.

**Tyrrell Memorial Prize**—Compositions to be sent in before the 1st of February in each alternate year. Next Competition in 1922.

**Vice-Chancellor's Prizes for Greek, Latin, and English Composition**—The subjects for the Vice-Chancellor's Prizes are announced (by a notice posted on the gate) on or before June 1. The compositions, with fictitious signatures, must be sent in to the Senior Lecturer on or before December 1.

**Whately Memorial Prize in Political Economy**—Every fifth year. Next competition in 1922. Essays to be sent in on or before September 30.

**William Roberts Prize**—Awarded at Senior Freshman Prize Examination in Classics, Michaelmas Term.

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## Divinity School.

See end of section on Divinity School.

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## Law School.

See end of section on Law School.



### **School of Physic.**

See end of section on School of Physic.

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### **Engineering School.**

See end of section on Engineering School.

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### **Degrees in Music.**

Friday, February 4, 1921.

Monday, June 27, 1921.

[NOTE.—Practical Test on the preceding week-day.]

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### **Examination for Diplomas in Education.**

Friday and Saturday, October 22 and 23, 1920.

Friday and Saturday, April 22 and 23, 1921.

Friday and Saturday, October 21 and 22, 1921.

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### **Examination for Diploma in Economics and Commercial Knowledge.**

Tuesday, Wednesday, Thursday, and Friday, April 12, 13, 14, and 15, 1921.

## Hours of Examination.

Examinations for Entrance, for Junior Exhibitions, for Sizarships, Ordinary Term Examinations (see "Course in Arts," § 15), Ordinary Catechetical Examinations, Term Honor Examinations, and Special Prize Examinations commence at 9.30 A.M.

Entrance Prize Examinations commence at 10 A.M.

For Moderatorship, Scholarship, and Fellowship Examinations, the hours are 9.30 A.M. to 12.30 P.M., and 2 P.M. to 5 P.M.

Honor and Prize Catechetical Examinations commence at 2 P.M.

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## Days of Public Commencements for the conferring of Degrees.

*Michaelmas Term, 1920.*

Saturday, December 18, at 1 o'clock.

*Hilary Term, 1921.*

Tuesday, February 8, at 1 o'clock.

*Trinity Term, 1921.*

Tuesday, April 19, at 1 o'clock.

Thursday, June 30, at 1 o'clock.

*Michaelmas Term, 1921.*

Tuesday, December 20, at 1 o'clock.

## Chapel of Trinity College.

The hours of Divine Service in the Chapel of Trinity College are as follow:—

*Morning Service* : 10 o'clock on Sundays ; and 8.30 o'clock on week-days.

*Evening Service* : 7 o'clock on Sundays ; and 7.15 o'clock on week-days.

*Holy Communion* : after Morning Service on Sundays fixed by the Provost, on other Sundays at 8 a.m.

The Chapel is closed during vacations.

Surplices are worn on Sundays at Morning and Evening Prayer. Gowns are worn at other times.

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## Movable Feasts, 1922.

Septuagesima, February 12—Ash Wednesday, March 1.

Easter Day, April 16—Rogation Sunday, May 21.

Ascension Day, May 25—Whit Sunday, June 4.

Advent Sunday, December 3.

Sundays after Epiphany, 5 ; Sundays after Trinity, 24.



# Dublin University Almanac.

FROM OCTOBER 1, 1920, TO DECEMBER 31, 1921.

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## EXPLANATION OF ALMANAC.

THE Almanac gives the days on which the various Examinations *commence*.

There are no *Tutorial* Lectures in Arts on days marked thus (†) in the Almanac. There may, however, be *Professorial* Lectures in the Professional Schools.

# 1920, OCTOBER.

1	F	Entrance Ex. in Arts for Medical School. Winter Session Medical School begins. Dissecting-rooms open. Elementary Instruction in Anatomy begins. Preliminary Scientific Medical. Intermediate Medical, Part I. Intermediate Medical, Part II. Preliminary Scientific Dental. Intermediate Dental.
2	Sa	
3	S	<i>18th Sunday after Trinity.</i>
4	M	Special Preliminary Ex. in Arts for Medical School.
5	Tu	
6	W	
7	Th	
8	F	
9	S	
10	S	<i>19th Sunday after Trinity.</i>
11	M	Michaelmas Term begins. <b>Autumn Entrance.</b> <b>Exs. for Moderatorships begin.</b> <b>Term and Special Prize Exs. begin.</b> Criminal Law Lectures begin. Final Medical, Part I. Diploma in Public Health, Part I. Medical Lectures begin. B.A.I. Degree. Engineering Supplemental Exs., Middle and Junior Classes.
12	Tu	Civil Law Lectures begin.
13	W	<b>Term Ex., Junior Freshmen.</b> <b>Junior and School Exhibitions.</b> Jurisprudence Lectures begin. Feudal and English Law Lectures begin. Engineering School, Supplemental Entrance. Diploma for Women in Religious Knowledge.
14	Th	Diploma in Public Health, Part II. Engineering Lectures begin.
15	F	Catechetical Ex., Junior Freshmen.
16	Sa	
17	S	<i>20th Sunday after Trinity.</i>
18	M	<i>St. Luke.</i> <b>Term Ex. Junior Sophisters.</b> Entrance Prizes:—Hebrew. Supplemental Divinity Ex., Junior Class.
19	Tu	Entrance Prizes:—German. Supplemental Divinity Ex., Senior Class.
20	W	Catechetical Ex., Junior Sophisters. Entrance Prizes:—French. Divinity School Entrance. Archbishop King's and Bishop Forster's Divinity Prizes.

**1920, OCTOBER**—continued.

21	Th	<b>Final Freshman Supplemental Ex.</b> Entrance Prizes:—Natural Science. Charles Wilkins Memorial Prize. Divinity Lectures, Junior Class, begin.
22	F	Divinity Lectures, Senior Class, begin. Ex. for Diplomas in Education.
23	Sa	Entrance Prizes:—Modern Irish.
24	S	<i>21st Sunday after Trinity.</i>
25	M	Entrance Prizes:—Greek Prose and Experimental Science.
26	Tu	Entrance Prizes:—Greek Verse.
27	W	Entrance Prizes:—Latin Prose.
28	Th	<i>St. Simon and St. Jude.</i> Entrance Prizes:—Latin Verse.
29	F	Entrance Prizes:—English Literature.
30	Sa	Entrance Prizes:—Scripture.
31	S	<i>22nd Sunday after Trinity.</i>

**1920, NOVEMBER.**

1	M	<i>All Saints.</i> <b>Entrance.</b> Entrance Prizes:—English History and Modern Geography.
2	Tu	
3	W	<b>Undergraduate Lectures in Arts begin.</b> Catechetical Lectures begin.
4	Th	Hebrew Lectures begin.
5	F	
6	Sa	
7	S	<i>23rd Sunday after Trinity.</i>
8	M	
9	Tu	
10	W	Meeting of the University Council.
11	Th	
12	F	
13	Sa	
14	S	<i>24th Sunday after Trinity.</i>
15	M	
16	Tu	Meeting of the Divinity School Council.
17	W	
18	Th	
19	F	
20	Sa	<b>Election of Annual Officers.</b>
21	S	<i>Sunday next before Advent.</i> Annual Officers admitted.
22	M	
23	Tu	
24	W	Term Ex. Feudal and English Law.
25	Th	Term Ex. Jurisprudence.
26	F	Term Ex. Civil Law.
27	Sa	Term Ex. Criminal Law.

# 1920, NOVEMBER—continued.

28	S	<i>1st Sunday in Advent.</i>
29	M	Final Medical, Part II., Surgery. M.Ch. Degree Ex. Final Medical, Part II., Midwifery. M.A.O. Degree Ex. B. Dent. Sc. and M. Dent. Sc. Degrees Ex.
30	Tu	<i>St. Andrew.</i> Last day for giving notice of intention to compete at Honor and Prize Exs. in Hilary Term (see p. 3*). Intermediate Ex. in Law. LL.B. and LL.D. Degrees Exs.

# 1920, DECEMBER.

1	W	
2	Th	
3	F	
4	Sa	
5	S	<i>2nd Sunday in Advent.</i>
6	M	Final Medical, Part II., Medicine.
7	Tu	B.D. Degree Ex.
8	W	Meeting of the University Council.
9	Th	
10	F	Engineering Lectures end.
11	Sa	Catechetical Lectures end.
12	S	<i>3rd Sunday in Advent. Ember Week.</i>
13	M	Divinity Lectures, Junior Class, end.
14	Tu	<b>Undergraduate Lectures in Arts end.</b> Hebrew Lectures end. Divinity Lectures, Senior Class, end. Supplemental Divinity Ex., Junior Class.
15	W	<b>B.A. Degree Ex.</b> Supplemental Divinity Ex., Senior Class.
16	Th	
17	F	Catechetical Ex., Candidate Bachelors. Theses for M.D. Degree.
18	Sa	<b>Winter Commencements.</b>
19	S	<i>4th Sunday in Advent.</i>
20	M	Michaelmas Term ends.
21	Tu	<i>St. Thomas.</i>
22	W	
23	Th	
24	F	
25	Sa	<i>Christmas Day.</i>
26	S	<i>1st Sunday after Christmas. St. Stephen.</i>
27	M	<i>St. John.</i>
28	Tu	<i>Innocents' Day.</i>
29	W	
30	Th	
31	F	



# 1921, JANUARY.

1	Sa	<i>Circumcision.</i>
2	S	<i>2nd Sunday after Christmas.</i>
3	M	
4	Tu	
5	W	
6	Th	
7	F	<i>Epiphany.</i>
8	Sa	
9	S	<i>1st Sunday after Epiphany.</i>
10	M	<i>Hilary Term begins.</i> <b>Term Ex. Senior Sophisters.</b> <b>Supplemental B.A. Degree Ex.</b> <b>Honor and Prize Exs. begin.</b> Constitutional Law Lectures begin. Engineering Lectures begin.
11	Tu	Civil Law Lectures begin.
12	W	Catechetical Ex. Senior Sophisters. International Law Lectures begin. Feudal and English Law Lectures begin. Diploma for Women in Religious Knowledge.
13	Th	<b>Term Ex. Junior Sophisters.</b>
14	F	
15	Sa	Catechetical Ex. Junior Sophisters.
16	S	<i>2nd Sunday after Epiphany.</i>
17	M	<b>Term Ex. Senior Freshmen.</b> <b>Supplemental Final Freshman Ex.</b>
18	Tu	
19	W	Catechetical Ex. Senior Freshmen.
20	Th	<b>Entrance.</b> Meeting of the Divinity School Council.
21	F	Divinity Lectures, Senior Class, begin.
22	Sa	<b>Term Ex. Junior Freshmen.</b> Divinity School Entrance.
23	S	<i>Septuagesima.</i>
24	M	Divinity Lectures, Junior Class, begin.
25	Tu	<i>Conversion of St. Paul.</i> Catechetical Ex. Junior Freshmen.
26	W	
27	Th	
28	F	
29	Sa	
30	S	<i>Sexagesima.</i>
31	M	

# 1921, FEBRUARY.

1	Tu	Undergraduate Lectures in Arts begin.
2	W	<i>Purification of B. V. M.</i> Catechetical Lectures begin. Meeting of the University Council.
3	Th	Practical Test for Mus.B. and Mus.D. Degrees.
4	F	Mus.B. and Mus.D. Degree Exs.
5	Sa	

6	S	<i>Quinquagesima.</i>
7	M	Theses for M.D. Degree.
8	†Tu	<i>Shrove-Tuesday.</i> <b>Spring Commencements.</b>
9	†W	<i>Ash-Wednesday.</i>
10	Th	
11	F	
12	Sa	

13	S	<i>1st Sunday in Lent. Quadragesima. Ember Week.</i>
14	M	
15	Tu	Carson Biblical, and Toplady Memorial Scripture Prizes.
16	W	
17	Th	Meeting of the Divinity School Council.
18	F	
19	Sa	

20	S	<i>2nd Sunday in Lent.</i>
21	M	
22	Tu	
23	W	Term Ex. International Law. Meeting of the University Council.
24	Th	<i>St. Matthias.</i> Term Ex. Constitutional Law.
25	F	Term Ex. Feudal and English Law.
26	Sa	Term Ex. Civil Law.

27	S	<i>3rd Sunday in Lent.</i>
28	M	

# 1921, MARCH.

1	Tu	B.D. Degree Ex. Theological Exhibitions.
2	W	Last day for giving notice of intention to compete at Honor and Prize Exs. in Trinity Term (see p. 4*).
3	Th	
4	F	
5	Sa	
6	S	<i>4th Sunday in Lent.</i>
7	M	Preliminary Scientific Medical (Botany and Zoology). Intermediate Medical, Part I. Final Medical, Part II., Medicine. Diploma in Public Health, Part I. Intermediate Dental. Test Ex. Indian Civil Service School.
8	Tu	
9	W	
10	Th	Diploma in Public Health, Part II.
11	F	
12	Sa	Catechetical Lectures end. Medical School Winter Session ends. Meeting of the Senate for nomination to Honorary Degrees.
13	S	<i>5th Sunday in Lent.</i>
14	M	Preliminary Scientific Medical (Physics and Chemistry). Intermediate Medical, Part II. Final Medical, Part I. Final Medical, Part II., Surgery. M.Ch. Degree Ex. Preliminary Scientific Dental (Physics and Chemistry). B. Dent. Sc. and M. Dent. Sc. Degree Exs.
15	Tu	Divinity Lectures, Senior Class, end.
16	W	Undergraduate Lectures in Arts end. Supplemental Divinity Ex., Senior Class. Engineering Lectures end.
17	†Th	<i>St. Patrick.</i> Divinity Lectures, Junior Class, end.
18	F	Supplemental Divinity Ex., Junior Class. Entrance Ex. in Arts for Medical School.
19	Sa	
20	S	<i>Sunday next before Easter.</i>
21	M	Special Preliminary Ex. in Arts for Medical School. Final Medical, Part II., Midwifery. M.A.O. Degree Ex.
22	Tu	
23	W	
24	Th	
25	F	<i>Good Friday.</i> <i>Annunciation B. V. M.</i> Hilary Term ends.
26	Sa	<i>Easter Even.</i>
27	S	<i>EASTER DAY.</i>
28	M	<i>Monday in Easter Week.</i>
29	Tu	<i>Tuesday in Easter Week.</i>
30	W	
31	Th	

# 1921, APRIL.

1 F  
2 Sa

3 S  
4 M  
5 Tu  
6 W  
7 Th  
8 F  
9 Sa

*1st Sunday after Easter.*

10 S  
11 M  
12 Tu  
13 W  
14 Th  
15 F

*2nd Sunday after Easter.*  
Medical School Summer Session begins.  
Ex. for Diplomas in Economics and Commercial Knowledge.  
Trinity Term begins.  
**Term Ex. Senior Sophisters.**  
**Supplemental B.A. Degree Ex.**  
**Honor and Prize Exs. begin.**  
Civil Law Lectures begin.  
Lectures in International Law begin.  
Feudal and English Law Lectures begin.

17 S  
18 M  
19 Tu  
20 W  
21 Th  
22 F

*3rd Sunday after Easter.*  
Catechetical Ex. Senior Sophisters.  
Law of Evidence Lectures begin.  
Theses for M.D. Degree.  
**First Trinity Commencements.**  
**Term Ex. Junior Sophisters.**  
Divinity School Entrance.  
Diploma for Women in Religious Knowledge.  
Divinity Lectures, Junior Class, begin.  
Catechetical Ex. Junior Sophisters.  
Divinity Lectures, Senior Class, begin.  
B.A.I. Degree Ex.  
Engineering Exs. Middle and Junior Classes.  
Examination for Diplomas in Education.  
**Term Ex. Senior Freshmen.**

23 Sa  
24 S  
25 M  
26 Tu  
27 W

*4th Sunday after Easter.*  
*St. Mark.*  
Catechetical Ex. Senior Freshmen.  
**Entrance.**  
Exs. for Scholarships in Classics, Mathematics, Experimental Science, Modern Languages, Natural Science, History and Political Science, and Mental and Moral Philosophy.  
Engineering Lectures begin.

28 Th  
29 F  
30 Sa

**Term Ex. Junior Freshmen.**



## 1921, MAY.

1	≡	5th Sunday after Easter. — Rogation Sunday. St. Philip and St. James.
2	M	Catechetical Ex. Junior Freshmen.
3	Tu	
4	W	Undergraduate Lectures in Arts begin Catechetical Lectures begin.
5	†Th	Ascension Day.
6	F	
7	Sa	
8	≡	Sunday after Ascension Day.
9	M	
10	Tu	
11	W	Downes' Prizes for Written Essays. Meeting of the University Council.
12	Th	
13	F	
14	Sa	
15	≡	WHIT SUNDAY.
16	†M	Monday in Whitsun-Week.
17	Tu	Tuesday in Whitsun-Week.
18	W	Downes' Prizes for Extempore Speaking.
19	Th	Meeting of the Divinity School Council.
20	F	
21	Sa	
22	≡	TRINITY SUNDAY.
23	†M	Election of a Fellow and of Scholars.
24	Tu	
25	W	Downes' Prizes for Reading the Liturgy (Written Ex.).
26	Th	
27	F	
28	Sa	
29	≡	1st Sunday after Trinity.
30	M	
31	Tu	

## 1921, JUNE.

1	W	Last day for giving notice of intention to compete at Honor and Prize Exs. in Michaelmas Term (see p. 6*). Downes' Prizes for Reading the Liturgy (Viva-voce Ex.). Annual Ex. Feudal and English Law. Meeting of the University Council.
2	Th	Annual Ex. Civil Law.
3	F	Annual Ex. International Law.
4	Sa	Kyle Irish Prize. Annual Ex. Constitutional and Criminal Law.
5	≡	2nd Sunday after Trinity.
6	M	Final Medical, Part II., Surgery. M.Ch. Degree Ex. Final Medical, Part II., Midwifery. M.A.O. Degree Ex. B. Dent. Sc. and M. Dent. Sc. Degree Exs.

**1921. JUNE**—*continued.*

7	Tu	B.D. Degree Ex. Intermediate Ex. in Law. I.L.B. and I.L.D. Degrees Exs.
8	W	
9	Th	
10	F	
11	Sa	<i>St. Barnabas.</i> Catechetical Lectures end.
12	S	<i>3rd Sunday after Trinity.</i>
13	M	Final Medical, Part II., Medicine. Medical Travelling Prize.
14	Tu	Divinity Lectures, Senior Class, end. Engineering Lectures end. B.A.I. Degree Ex. (In part.)
15	W	Undergraduate Lectures in Arts end. Final Divinity Ex., Senior Class.
16	Th	Midsummer Entrance. Divinity Lectures, Junior Class, end. Bedell Irish Scholarship. Meeting of the Divinity School Council.
17	F	General Divinity Ex., Junior Class.
18	Sa	Supplemental Hilary Ex., Junior Freshmen. Sizarship.
19	S	<i>4th Sunday after Trinity.</i>
20	M	Preliminary Scientific Medical. Intermediate Medical, Part I. Final Medical, Part I. Diploma in Public Health, Part I. Medical Scholarship, Physics, Chemistry, Botany, and Zoology. Medical Scholarship, Anatomy and Institutes of Medicine. Preliminary Scientific Dental. Intermediate Dental. Engineering Exs., Middle and Junior Classes.
21	Tu	
22	W	Final Freshman Ex.
23	Th	Diploma in Public Health, Part II.
24	F	<i>St. John Baptist.</i>
25	Sa	Catechetical Ex., Senior Freshmen. Medical School Summer Session ends. Engineering School Entrance. Practical Test for Mus. B. and Mus. D. Degrees.
26	S	<i>5th Sunday after Trinity.</i>
27	M	Special B.A. Degree Ex. Intermediate Medical, Part II. Mus. B. and Mus. D. Degrees Exs.
28	Tu	
29	W	<i>St. Peter.</i> Catechetical Ex., Candidate Bachelors. Theses for M.D. Degree.
30	Th	Summer Commencements. Trinity Term ends.

# 1921, JULY.

1	F
2	Sa

3	S	6th Sunday after Trinity. Library closed.
4	M	
5	Tu	
6	W	
7	Th	
8	F	
9	Sa	

10	S	7th Sunday after Trinity.
11	M	
12	Tu	
13	W	
14	Th	
15	F	
16	Sa	

17	S	8th Sunday after Trinity. Library re-opened.
18	M	
19	Tu	
20	W	
21	Th	
22	F	
23	Sa	

24	S	9th Sunday after Trinity. St. James.
25	M	
26	Tu	
27	W	
28	Th	
29	F	
30	Sa	

31	S	10th Sunday after Trinity.
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# 1921, AUGUST.

1	M
2	Tu
3	W
4	Th
5	F
6	Sa

7	S	11th Sunday after Trinity.
8	M	
9	Tu	
10	W	
11	Th	
12	F	
13	Sa	

**1921, AUGUST**—continued.

14	S	<i>12th Sunday after Trinity.</i>
15	M	
16	Tu	
17	W	
18	Th	
19	F	
20	Sa	

21	S	<i>13th Sunday after Trinity.</i>
22	M	
23	Tu	<i>St. Bartholomew.</i>
24	W	
25	Th	
26	F	
27	Sa	

28	S	<i>14th Sunday after Trinity.</i>
29	M	
30	Tu	
31	W	

**1921, SEPTEMBER.**

1	Th	<i>15th Sunday after Trinity.</i>
2	F	
3	Sa	
4	S	
5	M	
6	Tu	
7	W	
8	Th	
9	F	
10	Sa	

11	S	<i>16th Sunday after Trinity.</i>
12	M	
13	Tu	
14	W	
15	Th	
16	F	
17	Sa	

18	S	<i>17th Sunday after Trinity. Ember Week.</i>
19	M	
20	Tu	<i>St. Matthew.</i>
21	W	
22	Th	
23	F	
24	S	

25	S	<i>18th Sunday after Trinity.</i>
26	M	
27	Tu	
28	W	<i>St. Michael and All Angels.</i>
29	Th	
30	F	



# 1921, OCTOBER.

1    Sa    Entrance Ex. in Arts for Medical School.

2    S    *19th Sunday after Trinity.*  
 3    M    Winter Session Medical School begins. Dissecting-rooms open. Elementary Instruction in Anatomy begins. Preliminary Scientific Medical. Intermediate Medical, Part I. Intermediate Medical, Part II. Preliminary Scientific Dental. Intermediate Dental.

4    Tu    Special Preliminary Ex. in Arts for Medical School.

5    W

6    Th

7    F

8    Sa

9    S    *20th Sunday after Trinity.*  
 10    M    Michaelmas Term begins. Autumn Entrance Exs. for Moderatorships begin. Term and Special Prize Exs. begin. Criminal Law Lectures begin. Final Medical, Part I. Diploma in Public Health, Part I. Medical Lectures begin. B.A.I. Degree.

11    Tu    Engineering Supplemental Exs., Middle and Junior Classes. Civil Law Lectures begin.

12    W    Term Ex., Junior Freshmen. Kidd Scholarship and Junior and School Exhibitions. Jurisprudence Lectures begin. Feudal and English Law Lectures begin. Engineering School, Supplemental Entrance. Diploma in Religious Knowledge for Women.  
 13    Th    Diploma in Public Health, Part II. Engineering Lectures begin.

14    F    Catechetical Ex., Junior Freshmen.

15    Sa

16    S    *21st Sunday after Trinity.*  
 17    M    Term Ex., Junior Sophisters. Entrance Prizes:—Hebrew. Supplemental Divinity Ex., Junior Class.  
 18    Tu    *St. Luke.* Entrance Prizes:—German. Supplemental Divinity Ex., Senior Class.  
 19    W    Catechetical Ex., Junior Sophisters. Entrance Prizes:—French. Divinity School Entrance. Archbishop King's and Bishop Forster's Divinity Prizes.

**1921, OCTOBER—continued.**

20	Th	<b>Final Freshman Supplemental Ex.</b> Entrance Prizes:—Natural Science. Charles Wilkins Memorial Prize. Divinity Lectures, Junior Class, begin.
21	F	Divinity Lectures, Senior Class, begin. Ex. for Diplomas in Education.
22	Sa	Entrance Prizes:—Modern Irish.
23	S	<i>22nd Sunday after Trinity.</i>
24	M	Entrance Prizes:—Greek Prose and Experimental Science.
25	Tu	Entrance Prizes:—Greek Verse.
26	W	Entrance Prizes:—Latin Prose.
27	Th	Entrance Prizes:—Latin Verse.
28	F	<i>St. Simon and St. Jude.</i> Entrance Prizes:—English Literature.
29	Sa	Entrance Prizes:—Scripture.
30	S	<i>23rd Sunday after Trinity.</i>
31	M	Entrance Prizes:—English History and Modern Geography.

**1921, NOVEMBER.**

1	Tu	<i>All Saints.</i> <b>Entrance.</b>
2	W	
3	Th	<b>Undergraduate Lectures in Arts begin.</b>
4	F	
5	Sa	Catechetical Lectures begin.
6	S	<i>24th Sunday after Trinity.</i>
7	M	
8	Tu	
9	W	Meeting of the University Council.
10	Th	
11	F	
12	Sa	
13	S	<i>25th Sunday after Trinity.</i>
14	M	
15	Tu	Meeting of the Divinity School Council.
16	W	
17	Th	
18	F	
19	Sa	
20	S	<i>Sunday next before Advent.</i> <b>Election of Annual Officers.</b> Annual Officers admitted.
21	M	
22	Tu	
23	W	Term Ex. Feudal and English Law.
24	Th	Term Ex. Jurisprudence.
25	F	Term Ex. Civil Law.
26	Sa	Term Ex. Criminal Law.
27	S	<i>1st Sunday in Advent.</i>

# **1921, NOVEMBER**—*continued.*

28	M	Final Medical, Part II., Surgery. M.Ch. Degree Ex. Final Medical, Part II., Midwifery. M.A.O. Degree Ex. B. Dent. Sc. and M. Dent. Sc. Degrees Ex.
29	Tu	Intermediate Ex. in Law. LL.B. and LL.D. Degrees Ex.
30	W	<i>St. Andrew.</i>

# **1921, DECEMBER.**

1	Th	Last day for giving notice of intention to compete at Honor and Prize Exs. in Hilary Term (see p. 3*).
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2	F	
3	Sa	

4	S	<i>2nd Sunday in Advent.</i>
5	M	Final Medical, Part II., Medicine.
6	Tu	B.D. Degree Ex.
7	W	
8	Th	
9	F	Engineering Lectures end.
10	Sa	Catechetical Lectures end.

11	S	<i>3rd Sunday in Advent. Ember Week.</i>
12	M	Divinity Lectures, Junior Class, end.
13	Tu	Divinity Lectures, Senior Class, end. Supplemental Divinity Ex., Junior Class.
14	W	Supplemental Divinity Ex., Senior Class. Meeting of the University Council.
15	Th	Undergraduate Lectures in Arts end.
16	F	B.A. Degree Ex.
17	Sa	

18	S	<i>4th Sunday in Advent.</i>
19	M	Catechetical Ex., Candidate Bachelors. Theses for M.D. Degree.
20	Tu	Winter Commencements. Michaelmas Term ends.
21	W	<i>St. Thomas.</i>
22	Th	
23	F	
24	Sa	

25	S	<i>Christmas Day.</i>
26	M	<i>St. Stephen.</i>
27	Tu	<i>St. John.</i>
28	W	<i>Innocents' Day.</i>
29	Th	
30	F	
31	S	

Officers  
OF THE  
University and College,

July 1, 1920.

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*Chancellor.*

The Earl of Iveagh, K.P., LL.D.

*Vice-Chancellor.*

The Right Hon. Sir James Henry Mussen Campbell, Bart., LL.D.,  
Lord Chancellor of Ireland.

*Visitors.*

The Chancellor (or in his absence the Vice-Chancellor).  
The Lord Chief Justice.

*Provost.*

The Right Hon. and Most Rev. John Henry Bernard, D.D.

*Senior Fellows.*

Thomas Thompson Gray, M.A., *Vice-Provost*.  
George Lambert Cathcart, M.A., *Auditor*.  
Louis Claude Purser, M.A., Litt.D., *Bursar*.  
William Ralph Westropp Roberts, D.D., *Senior Lecturer*.  
Edward Parnall Culverwell, M.A., *Registrar*.  
Alexander Charles O'Sullivan, M.A., M.D.  
Robert Russell, M.A., *Senior Dean and Catechist*.

*Junior Fellows.*

[Those marked thus (\*) are Tutor Fellows.]

Matthew Wyatt Joseph Fry, M.A., *Senior Proctor*.  
Henry Stewart Macran, M.A.  
Edward John Gwynn, M.A.  
William Edward Thrift, M.A.  
Josiah Gilbert Smyly, Litt.D.



- George William Mooney, M.A.  
 \*William Kennedy, M.A.  
 \*Reginald Arthur Percy Rogers, M.A.  
 \*William Alexander Goligher, M.A., Litt.D.  
 \*John Fraser, M.A.  
 \*Ernest Henry Alton, M.A.  
 \*Robert Malcolm Gwynn, B.D.  
 \*George Randolph Webb, M.A., *Junior Bursar and Registrar of Chambers.*  
 \*Sir Robert William Tate, M.A., K.B.E., *Junior Dean.*  
 \*Harry Thrift, M.A.  
 \*Hugh Canning, M.A.  
 \*Arthur Aston Luce, D.D., *Junior Proctor.*  
 \*Joseph Johnston, M.A.  
 \*James Maxwell Henry, M.A.  
 \*Francis LaTouche Godfrey, M.A.  
 John Joly, Sc.D.  
 Charles Henry Rowe, B.A.

*Representatives of the Junior Fellows on the Board.*

- William Edward Thrift, M.A.  
 Edward John Gwynn, M.A.

*Representatives of the Professors on the Board.*

- Charles Francis Bastable, LL.D.  
 Henry Horatio Dixon, Sc.D.

*Representatives of the University in Parliament.*

	Elected
Sir Robert Henry Woods, M.Ch., . . . . .	1918
William Morgan Jellett, B.A., . . . . .	1919

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*Honor Examiners for the Year 1921.*

*In Mathematics.*

- R. Russell, M.A.  
 The University Professor of Natural Philosophy.  
 J. Fraser, M.A.  
 G. R. Webb, M.A.  
 J. L. Synge, B.A.

*In Classics.*

The Regius Professor of Greek.

The Professor of Latin.

W. A. Goligher, Litt.D.

E. H. Alton, M.A.

H. Canning, M.A.

*In Mental and Moral Philosophy.*

H. S. Macran, M.A.

A. A. Luce, D.D.

F. La T. Godfrey, M.A.

*In Experimental Science.*

The University Professor of Chemistry.

Erasmus Smith's Professor of Natural and Experimental Philosophy.

Professor of Applied Chemistry.

H. Thrift, M.A.

*In Natural Science.*

The Professor of Zoology and Comparative Anatomy.

The University Professor of Botany.

The Professor of Geology and Mineralogy.

*In History and Political Science.*

The Lecky Professor of Modern History.

Erasmus Smith's Professor of Modern History.

The Professor of Political Economy.

*In Modern Literature.*

The Professor of English Literature.

The Professor of the Romance Languages.

The Professor of German.

Sir Robert W. Tate, M.A.

*Celtic Languages*

Professor of Irish.

Lecturer in Celtic Languages.

*Honor Lecturers for the Year 1920-1921.**In Mathematics.*

J. Fraser, M.A.

G. R. Webb, M.A.

J. L. Synge, B.A.

*In Classics.*

W. A. Goligher, Litt.D.  
 E. H. Alton, M.A.  
 H. Canning, M.A.

*In Mental and Moral Philosophy.*

H. S. Macran, M.A.  
 A. A. Luce, D.D.  
 F. La T. Godfrey, M.A.

*In Legal and Political Science.*

The Professor of Political Economy.  
 The Regius Professor of Feudal and English Law.  
 The Reid Professor of Law.

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The Board nominates Special Courts of Examiners for Moderatorships and Scholarships, which will be constituted as follows for the year 1921, a Member of the Board presiding in each Court of Examiners for Moderatorships:—

*Moderatorships, 1921.*

*Mathematics.*—R. Russell, M.A. (*President*); the University Professor of Natural Philosophy; A. C. O'Sullivan, M.D.; G. R. Webb, M.A.; J. Fraser, M.A.

*Classics.*—L. C. Purser, M.A., Litt.D. (*President*); the Regius Professor of Greek; the Professors of Latin, of Ancient History and Classical Archæology, and of Sanskrit and Comparative Philology; W. Kennedy, M.A.; E. H. Alton, M.A.

*Mental and Moral Philosophy*—A. C. O'Sullivan, M.D. (*President*); the Professor of Moral Philosophy; H. Canning, M.A.; A. A. Luce, D.D.; F. La T. Godfrey, M.A.

*Experimental Science.*—G. L. Cathcart, M.A. (*President*); the University Professor of Chemistry; Erasmus Smith's Professor of Natural and Experimental Philosophy; the Professor of Applied Chemistry; H. Thrift, M.A.

*Natural Science.*—E. P. Culverwell, M.A. (*President*); the Professors of Comparative Anatomy and Zoology, and of Geology and Mineralogy; the University Professor of Botany; the University Professor of Anatomy and Chirurgery; the King's Professor of the Institutes of Medicine; the Professor of Bacteriology and Preventive Medicine; A. C. O'Sullivan, M.D.

*History and Political Science.*—The Vice-Provost (*President*); the Professor of Political Economy; the Professor of Ancient History and Classical Archæology; the Lecky Professor of Modern History; Erasmus Smith's Professor of Modern History; J. Johnston, M.A.

*Modern Literature.*—W. R. W. Roberts, D.D. (*President*); the Professors of English Literature, of the Romance Languages, and of German; E. J. Gwynn, M.A.; Sir Robert W. Tate, M.A.

*Legal and Political Science.*—The Provost, D.D. (*President*); the Regius Professor of Laws; the Regius Professor of Feudal and English Law; the Reid Professor of Law; W. A. Goligher, Litt.D.

#### *Scholarships, 1921.*

*Classics.*—The Regius Professor of Greek, the Professors of Latin and of Ancient History and Classical Archæology; W. Kennedy, M.A.; E. H. Alton, M.A.; H. Canning, M.A.; A. A. Luce, D.D.; J. Johnston, M.A.

*Mathematics.*—R. Russell, M.A.; the University Professor of Natural Philosophy; J. Fraser, M.A.; J. M. Henry, M.A.

*Experimental Science.*—The University Professor of Chemistry; Erasmus Smith's Professor of Natural and Experimental Philosophy; the Professor of Applied Chemistry; H. Thrift, M.A.

*Modern Languages.*—The Professors of the Romance Languages, and of German; E. J. Gwynn, M.A.; Sir Robert W. Tate, M.A.



## PROFESSORS AND LECTURERS

*Arranged under subjects and schools.*

[Figures added in brackets after the title or name of any officer denote the period in years for which the election is made. Officers marked (\*) are elected annually.]

The following Offices become vacant at the dates respectively affixed to them :—

Professorship of Education,	
Professorship of Music,	
Reid Professorship of Law,	1920, Dec. 20.
Lectureship in the English Bible,	1921, Jan. 29.
Professorship of Biblical Greek,	1921, Feb. 19.
Regius Professor of Surgery,	1921, May 13.

## MATHEMATICAL, PHYSICAL, AND NATURAL SCIENCE.

First  
Election.Last  
Election*Erasmus Smith's Professor of Mathematics.*

[Founded 1762.]

[Vacant.]

Duties of Chair to be discharged for one year by :

1920.	}	Robert Russell, M.A.
June 26.		

*Donegal Lecturer in Mathematics.*

[Founded 1675.]

1917.	}	Reginald Arthur Percy Rogers, M.A.
Nov. 10.		

*University Professor of Natural Philosophy.*

[Founded 1847.]

1910.	}	Matthew Wyatt Joseph Fry, M.A.
June 30.		

*Assistant:—John Fraser, M.A.**Erasmus Smith's Professor of Natural and Experimental Philosophy.*

[Founded 1724.]

1901.	}	William Edward Thrift, M.A.
Mar. 23.		

*Assistants:—Harry Thrift, M.A.*

Horace Hewitt Poole, Sc.D.

*Royal Astronomer of Ireland, on the Foundation of Dr. Andrews.*

[Founded 1783.]

1912.	}	Henry Crozier Plummer, M.A.
May 4.		

*Assistant:—Charles Martin.*

First  
Election.Last  
Election*University Professor of Chemistry. (7);*

[Founded 1711.]

1903. Oct. 20. }	Sydney Young, Sc.D.	1917.
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*Assistant* : William Cecil Ramsden.  
*Demonstrator* : James Bell.

*Professor of Applied Chemistry.*

[Founded in 1841 as a Professorship of Chemistry and Geology applied to the Arts of Construction; discontinued in 1881; re-established in 1904 as a Professorship of Applied Chemistry.]

1904. Nov. 19. }	Emil Alphonse Werner, Sc.D.
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*University Professor of Botany. (7)*

[Founded 1711.]

1904. April 16. }	Henry Horatio Dixon, Sc.D.	1918.
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*Assistant* :—William Ringrose Gelston Atkins, M.A., Sc.D.*Professor of Geology and Mineralogy.*

[Founded 1844.]

1897. Oct. 16. }	John Joly, M.A., Sc.D.
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*Assistant* : Louis Bouvier Smyth, Sc.B.  
*Research Assistant* : John Hewitt Jellett Poole, B.A.

*Professor of Zoology and Comparative Anatomy.*

[A Lectureship in Zoology was established in 1857, was made a Professorship in 1872, and was permanently united in 1895 to the Professorship of Comparative Anatomy, which had been founded in 1872.]

1879. Nov. 29. }	Henry William Mackintosh, M.A.
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*Lecturer in Palæontology.*

[Founded 1913.]

1913. March 1. }	Louis Bouvier Smyth, Sc.B.
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*Lecturer in Mathematics. (1)*

[Founded 1919.]

1919. Dec. 6. }	John Lighton Synge, B.A.
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*Lecturer in Mathematics. (3)*

[Founded 1918.]

1920. June 12. }	Timothy Stanislaus Broderick, B.A.
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First  
ElectionLast  
Election

## LANGUAGES AND LITERATURE.

*Regius Professor of Greek.*

[Founded 1761.]

1915.	}	Josiah Gilbert Smyly, Litt.D.
Nov. 3.		

*Professor of Latin. (7)*

[Founded 1870.]

1915.	}	George William Mooney, M.A.
Nov. 13.		

*Lecturer in Classical Composition.*

[Founded 1896.]

1908.	}	Sir Robert William Tate, M.A.
Nov. 7.		

*Professor of Hebrew. (7)*

[Founded by the Board of Erasmus Smith, 1724.]

1920.	}	Robert Malcolm Gwynn, B.A.
Feb. 21.		

*Lecturers in Hebrew.*

1898.	}	Newport John Davis White, D.D. (1)	1919.
Feb. 5.		*William Kennedy, M.A.	Nov. 20.
		*Ernest Henry Alton, M.A.	Nov. 20.

*Professor of Arabic, Persian, and Hindustani. (7)*

[Founded 1856.]

1905.	}	Sir Lucas White King, LL.D.	1919.
Mar. 2.			

*Professor of Sanskrit and Comparative Philology. (5)*

[Founded 1858.]

1914.	}	Hugh Canning, M.A.	1919.
Dec. 19.			

*Professor of the Romance Languages. (5)*

[Founded 1778 as Professorship of Italian and Spanish.]

1909.	}	Thomas Brown Rudmose-Brown, M.A.	1919.
Nov. 15.		(Aberdeen).	
		Assistant: Elizabeth Deane, B.A. (1)	

First  
Election.Last  
Election.*Professor of German. (5)*

[Founded in 1778 as Professorship of French and German; the Chair of French is now merged in that of Romance Languages.]

1915. } June 12. }	Gilbert Waterhouse, M.A., Litt.D.	1920.
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*Professor of Irish. (5)*

[Founded 1840.]

1919. } July 1. }	Thomas Francis O'Rahilly.
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*Professor of Modern East Indian Languages. (5)*

[Founded 1913.]

1913. } June 18. }	John van Someren Pope, M.A.	1918.
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*Lecturer in Celtic Languages.*

[Founded 1907.]

1907. } Nov. 14. }	Edward John Gwynn, M.A.
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*Lecturer in Anglo-Saxon. (5)*

[Founded 1907.]

1915. } June 12. }	Gilbert Waterhouse, M.A., Litt.D.	1920.
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*Lecturer in Italian. (1)*

[Founded 1916.]

1920. } Jan. 17. }	Sir Robert William Tate, M.A.
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*Professor of English Literature.*

[Founded 1867.]

1913. } Nov. 22. }	Wilbraham Fitzjohn Trench, Litt.D.
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*Erasmus Smith's Professor of Oratory.*

[Founded 1724 as a Professorship of Oratory and Modern History; the Modern History was made a separate Chair in 1762.]

1914. } Nov. 14. }	Edmund Curtis, M.A.
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## MENTAL AND MORAL SCIENCE.

*Professor of Moral Philosophy. (5)*

[Founded 1837.]

1919. } July 1. }	Henry Stewart Macran, M.A.
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First  
Election.Last  
Election

## HISTORY AND POLITICAL SCIENCE.

*Professor of Political Economy.*

[Founded 1832.]

1882. Mar. 25. }	Charles Francis Bastable, LL.D.
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*Erasmus Smith's Professor of Modern History.*

[Founded 1762.]

1914. June 27. }	Edmund Curtis, M.A.
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*Lecky Professor of Modern History.*

[Founded 1913.]

1914. June 25. }	Walter Alison Phillips, M.A.
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*Professor of Ancient History and Classical Archæology. (5)*

[Founded 1869 as a Professorship of Ancient History. Title altered in 1909.]

1904. June 4. }	William Alexander Goligher, M.A., Litt.D.	1919.
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*Assistant* :—Joseph Johnston, M.A. (1)*Lecturer in Modern History.*[Founded 1911.]<sup>1</sup>

1911. June 24. }	Constantia Elizabeth Maxwell, M.A.
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## DIVINITY.

*Regius Professor of Divinity.*

Founded 1607 (? 1600) as Professorship of Divinity ; made a Regius Professorship, 1761.

1917. Sept. 19. }	Alan Hugh McNeile, D.D.
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*Assistants :*

\*Hugh Jackson Lawlor, D.D., Litt.D. Nov. 20

\*Arthur Aston Luce, D.D.

*Archbishop King's Professor of Divinity.*

[Founded as a Lectureship in 1718, changed to a Professorship by a Decree dated December 5, 1906.]

1916. Jan. 22. }	Newport John Davis White, D.D.
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*Assistants :*

\*Hugh Jackson Lawlor, D.D.

Nov. 20.

\*Denton Charles Green, B.D.

First  
Election.Last  
Election.*Professor of Biblical Greek. (5)*

[Founded 1838.]

1916. Feb. 19. }	Robert Malcolm Gwynn, B.D.
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*Professor of Ecclesiastical History. (5)*

[Founded 1850.]

1898. May 7. }	Hugh Jackson Lawlor, D.D., Litt.D.	1918.
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*Professor of Pastoral Theology. (5)*

[Founded 1888.]

1917. June 23. }	John Godfrey FitzMaurice Day, M.A. (Cantab.).
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*Lecturer in the English Bible. (5)*

[Founded 1898.]

1916. Jan. 29. }	Hugh Jackson Lawlor, D.D., Litt.D.
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*Wallace Divinity Lecturer.*

[Founded 1901.]

1902. Mar. 8. }	John Andrew Jennings, M.A.
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*Donnellan Lecturer. (1)*

1920. April 17. }	Arthur Aston Luce, D.D.
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*Catechists—Presbyterian Church.*

1886.	John Love Morrow, M.A. (R.U.I.).
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1915. Oct. 16. }	Robert Kennedy Hanna, B.A. (R.U.I.).
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## LAW.

*Regius Professor of Laws.*

[Founded 1668.]

1908. Feb. 29. }	Charles Francis Bastable, LL.D.
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First  
Election.Last  
Election.*Regius Professor of Feudal and English Law. (5)*

[Founded 1761.]

1909.	}	James Sinclair Baxter, LL.D.	1919.
Oct. 21.			

*Professor of Civil Law and General Jurisprudence. (5)*

[The duties of this Chair were, prior to 1908, attached to the Regius Professorship. In 1908 it was re-organised as a separate Chair.]

[Suspended.]

*Reid Professor of Penal Legislation, Constitutional and Criminal Law, and the Law of Evidence. (5)*

[Founded 1888.]

1915.	}	William Lowry, LL.B. (Q.U.B.).
Dec. 20.		

## MEDICINE.

*Regius Professor of Physic.*

[Founded 1637.]

1917.	}	John Mallet Purser, M.D.
Feb. 10.		

*Regius Professor of Surgery. (5)*

[Founded 1852.]

1916.	}	Edward Henry Taylor, M.D.
May 13.		

*Professor of Surgery. (7)*

[Founded 1849.]

1916.	}	Thomas Eagleson Gordon, M.B.
July 1.		

*Assistant: William Pearson, M.D.**University Professor of Anatomy and Chirurgery. (7)*

[Founded 1711.]

1903.	}	Andrew Francis Dixon, M.B., Sc.D.	1917.
June 20.			

*Professor of Bacteriology and Preventive Medicine. (7)*

[Founded 1919.]

1919.	}	Adrian Stokes, M.D.
Oct. 22.		

*\* Chief Demonstrator.*

1919.	}	Capt. William Ivon Hayes, M.B., B.S. (Melbourne), A.A.M.C.
Oct. 22.		

First  
Election.Last  
Election.*\* University Anatomist.*

[Founded 1716.]

1916. May 13. }	Edward Henry Taylor, M.D.	Nov. 20.
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*\* Lecturer in Medical Jurisprudence.*

[Founded 1888.]

1888. April 7. }	Henry Theodore Bewley, M.D.	Nov. 20.
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*Lecturer in Pathology.*

[Founded 1895.]

1895. June 22. }	Alexander Charles O'Sullivan, M.D.
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*Senior Assistant* :—Joseph Theodore Wigham, M.D.*Junior Assistant* :—Victor Millington Syngé, M.B.*Lecturer in Applied Anatomy.*

[Founded 1919.]

1919. Oct. 15. }	Adams Andrew McConnell, M.B.
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*King's Professor of Practice of Medicine.<sup>a</sup>*

[Founded 1717.]

1910.	James Craig, M.D.
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*King's Professor of Materia Medica and Pharmacy.<sup>a</sup>*

[Founded 1749.]

1881.	Walter George Smith, M.D.
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*King's Professor of Institutes of Medicine.<sup>a</sup>*

[Founded 1786.]

1919 March 5. }	Harold Pringle, M.D.
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*Assistant* :—William Robert Fearon, Sc.D.*King's Professor of Midwifery.<sup>a</sup>*

[Founded 1827.]

1911.	Thomas Henry Wilson.
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*\* Lecturer in Dental Surgery and Dental Pathology.*

[Founded 1910.]

1910. April 30. }	Arthur Windowe Willert Baker, M.D., M.DENT.Sc.	Nov. 20.
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<sup>a</sup> Appointed by the Royal College of Physicians of Ireland.

First  
Election.Last  
Election*\*Lecturer in Dental Mechanics.*

[Founded 1910.]

1910. April 30. }	Joseph Cockburn.	Nov. 20.
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*\*Lecturer in Orthodontia.*

[Founded 1910.].

1910. April 30. }	Ernest Sheldon Friel, M.DENT.SC.	Nov. 20
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*\*Lecturer in Anæsthetics.*

[Founded 1910.]

1910. April 30. }	Thomas Percy Claude Kirkpatrick, M.D.	Nov. 20
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*Mary Louisa Prentice Montgomery Lecturer in Ophthalmology. (1)*

[Founded 1915.]

1919. Oct. 15. }	Lt.-Col. Gordon Morgan Holmes, M.D., C.M.G.
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*Honorary Professor of Laryngology and Otology.*

[Founded in 1916 for present holder only.]

1916. June 17. }	Sir Robert Henry Woods, M.Ch.
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*Honorary Professor of Dermatology.*

[Founded in 1917 for present holder only.]

1917. June 23. }	Wallace Beatty, M.D.
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## ENGINEERING.

*Professor of Civil Engineering.*

[Founded 1842.]

1887. June 30. }	Thomas Alexander, M.A.I.
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*Assistants :—*Walter Elsworthy Lilly, M.A., M.A.I.,  
Sc.D.

James Thomas Jackson, M.A.

*Lecturer in the Practice of Electrical Engineering.*

[Founded 1902.]

1902. Mar. 15. }	William Tatlow, M.A., B.A.I.
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*Lecturer in Electric Traction.*

[Founded 1903.]

1912. April 20. }	George Marshall Harriss.
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First  
Election.Last  
Election.*Lecturer in Mechanical Engineering.*

[Founded 1903.]

1903. May 23.	}	Walter Elsworthy Lilly, M.A., M.A.I., Sc.D.
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*Lecturer in the Engineering School. (1)*

[Founded 1920.]

1920. June 5.	}	Joseph Rogerson Cotter, M.A.
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*Honorary Professor of Harbour Engineering.*

[Founded in 1920 for present holder only.]

1920. May 29.	}	Sir John Purser Griffith, M.A.I.
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## INDIAN CIVIL SERVICE.

*Reader in Tamil, Telugu, Burmese, Hindi, Bengali, and Marāṭhī.*

[Founded 1902.]

1910. Dec. 10.	}	John van Someren Pope, M.A.
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*Reader in Indian History.*

[Founded 1902.]

1905.		Sir Lucas White King, LL.D.
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## MUSIC.

*Professor of Music. (5)*

[Founded 1764.]

[Vacant.]

## EDUCATION.

*Professor of Education. (5)*

[Founded 1905.]

[Vacant.]

*Lecturer in Education. (1)*

[Founded 1916.]

1916. Oct. 14.	}	James Maxwell Henry, M.A.
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*Public Orator.*

[Founded 1879.]

1914. May 16.	}	Sir Robert William Tate, M.A.
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First  
Election.Last  
Election.*Librarian. (10)*

1914. }  
Jan. 24. } Josiah Gilbert Smyly, Litt.D.

*Senior Assistant Librarian*—Alfred Charles De Burgh, M.A.*Junior Assistant Librarian*—Samuel Edward Brambell.*Third Assistant*—William John Butler, M.A.*Fourth Assistant*.—Francis Stevenson Marsh, M.A., LL.B.

*Clerks* { Joseph Hanna (*Lending Library and Lecky Library*).  
          { Edward Archibald Phelps.

*\* Auditor.*

1917. }  
Nov. 20. } George Lambert Cathcart, M.A. Nov. 20.

*External Auditor.*

1903. }  
Oct. 17. } Frank Leet, LL.D.

*\* Registrar of the Senate.*

1916. }  
Nov. 20. } Edward Parnall Culverwell, M.A.

*Lecture Committee.*

The Senior Lecturer.

G. R. Webb, M.A.

H. Canning, M.A.

T. B. Rudmose-Brown, M.A.

E. A. Werner, Sc.D.

The Secretary of the Divinity School Council.

The Registrars of the Schools of Law, Medicine, Engineering, and of the Indian and Home Civil Service.

A. A. Luce, D.D., *Secretary*.*\* Registrar of the Law School.*

1917. }  
Nov. 3. } William Alexander Goligher, Litt.D. Nov. 20.

*Registrar of the School of Physic.*

1919. }  
Oct. 11. } Alexander Charles O'Sullivan, M.D. Nov. 20.

*Assistant Registrar.*

1913. }  
May 24. } George Leverstone Allen.

*\* Medical School Committee.*

Henry T. Bewley, M.D.

James Craig, M.D.

Henry Horatio Dixon, Sc.D.

Thomas E. Gordon, M.B.

Alexander C. O'Sullivan, M.D.

Harold Pringle, M.D.

Sydney Young, Sc.D.

And the Representative of the University of Dublin on the  
General Medical Council (*ex-officio*).

First  
Election.Last  
Election.*\* Registrar of the Engineering School.*

1901. Mar. 16. }	William Edward Thrift, M.A.	Nov. 20.
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*\* Registrar of the School of Music.*

1919. Nov. 20. }	Henry Stewart Macran, M.A.	
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*\* Registrar of the Indian and Home Civil Service School.*

1907. Nov. 20. }	Ernest Henry Alton, M.A.	Nov. 20.
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*\* Registrar of the Army School.*

1920, Jan. 10. }	Sir Robert William Tate, M.A.	
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*\* Registrar of the School of Education.*

1916. Oct. 14. }	James Maxwell Henry, M.A.	Nov. 20.
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*\* Registrar of the School of Agriculture.*

1914. Nov. 20. }	John Joly, Sc.D.	Nov. 20.
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*Registrar of South African Students.*

1920. Mar. 22. }	George Randolph Webb, M.A.	
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*Lady Registrar.*

1918. June 22. }	Olive Constance Purser, M.A.	
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*Warden of Trinity Hall.*

1908. July 24. }	Elizabeth Margaret Cunningham, M.A.	
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*Curator of the Museum.*

1879. Dec. 20. }	Henry William Mackintosh, M.A.	{ 1905. Mar. 10.
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*Director of the Botanical Gardens and Park.*

1906. Jan 20. }	Henry Horatio Dixon, Sc.D.	
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First  
Election.Last  
Election.*Law Agent and Keeper of the Records.*

1899. Nov. 11.	}	Frederick Digby Darley, M.A.
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*Assistant to the Registrar of University Electors.*

1919. March 8.	}	James Hunter Shaw, M.A.
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*Accountant.*

1885. Dec. 23.	}	Alfred Grahame Bailey.
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*Organist and Choir-Master.*

1919. July 21.	}	John Purser Shortt, M.A.
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*Gentlemen of the Choir.*

Thomas Frederick Marchant.		James Edward Payne.
John Richard Morgan.		James Martin.
Charles Kelly.		John Gill.
Thomas Harris Watson.		

*Chief Steward.*

1893. Nov. 3.	}	Joseph Marshall.
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*Clerk of the Works.*

1885. Oct. 31.	}	George Smith.
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*Booksellers.*

Hodges, Figgis, and Co., 20 Nassau Street, Dublin.  
 Fred Hanna, 29 Nassau Street, Dublin.  
 Longmans, Green, and Co., London.

## Members of School Committees.

*Mathematics.*—Erasmus Smith's Professor of Mathematics; the University Professor of Natural Philosophy; Erasmus Smith's Professor of Natural and Experimental Philosophy; the Astronomer Royal on the Foundation of Dr. Andrews; T. T. Gray, M.A.; W. R. W. Roberts, D.D.; E. P. Culverwell, M.A.; A. C. O'Sullivan, M.D.; R. A. P. Rogers, M.A.; J. Fraser, M.A.; G. R. Webb, M.A.; H. Thrift, M.A.; J. M. Henry, M.A.; Charles Henry Rowe, B.A. (Quorum 5.)

*Classics.*—The Regius Professor of Greek; the Professor of Latin; the Professor of Ancient History and Classical Archæology; the Professor of Sanskrit and Comparative Philology; T. T. Gray, M.A.; L. C. Purser, Litt.D.; A. C. O'Sullivan, M.D.; H. S. Macran, M.A.; E. J. Gwynn, M.A.; W. Kennedy, M.A.; E. H. Alton, M.A.; R. M. Gwynn, B.D.; Sir Robert W. Tate, M.A.; A. A. Luce, D.D.; J. Johnston, M.A.; J. M. Henry, M.A.; F. La T. Godfrey, B.A. (Quorum 5.)

*Hebrew and Oriental Languages.*—The Professor of Hebrew; the Lecturers in Hebrew; the Examiners in Hebrew, Chaldee, and Syriac; the Professor of Arabic, Persian, and Hindustani; the Professor of Sanskrit and Comparative Philology; T. T. Gray, M.A.; E. J. Gwynn, M.A.; A. A. Luce, D.D.; John van Someren Pope, M.A. (Quorum 4.)

*Mental and Moral Science.*—The Professor of Moral Philosophy; E. P. Culverwell, M.A.; A. C. O'Sullivan, M.D.; E. J. Gwynn, M.A.; W. E. Thrift, M.A.; G. W. Mooney, M.A.; W. Kennedy, M.A.; R. A. P. Rogers, M.A.; E. H. Alton, M.A.; R. M. Gwynn, B.D.; G. R. Webb, M.A.; Sir Robert W. Tate, M.A.; H. Canning, M.A.; A. A. Luce, D.D.; J. Johnston, B.A.; J. M. Henry, M.A.; F. La T. Godfrey, B.A. (Quorum 5.)

*Experimental Science.*—Erasmus Smith's Professor of Natural and Experimental Philosophy; the University Professor of Chemistry; the Professor of Applied Chemistry; W. R. W. Roberts, D.D.; E. P. Culverwell, M.A.; R. Russell, M.A.; M. W. J. Fry, M.A.; J. Fraser, M.A.; H. Thrift, M.A.; J. Joly, Sc.D. (Quorum 4.)

*Natural Science.*—Erasmus Smith's Professor of Natural and Experimental Philosophy; the Professor of Geology and Mineralogy; the University Professor of Anatomy and Chirurgery; the Professor of Zoology and Comparative Anatomy; the University Professor of Chemistry; the University Professor of Botany; the King's Professor of Institutes of Medicine; the Lecturer in Pathology. (Quorum 4.)

*History and Political Science.*—The Lecky Professor of Modern History; Erasmus Smith's Professor of Modern History; the Professor of Ancient History and Classical Archæology; the Professor of Political Economy; L. C. Purser, Litt.D.; the Lecturers for Moderatorships and



Honors in History and Political Science ; the Examiners for Moderatorship in Honors in History and Political Science ; Miss C. E. Maxwell, M.A. (Quorum 4.)

*Modern Languages and Literature.*—The Professor of English Literature ; the Professor of the Romance Languages ; the Professor of German ; the Lecturer in Anglo-Saxon ; the Professor of Sanskrit and Comparative Philology ; the Lecturers for Moderatorship and Honors in Modern Languages and Literature ; the Examiners for Moderatorship, Scholarship, and Honors in Modern Languages and Literature : E. J. Gwynn, M.A. ; Sir Robert W. Tate, M.A. (Quorum 4.)

*Legal and Political Science.*—The Regius Professor of Laws ; the Regius Professor of Feudal and English Law ; the Professor of Civil Law and General Jurisprudence ; the Professor of Political Economy ; the Reid Professor of Penal Legislation, Constitutional and Criminal Law, and Law of Evidence ; the Lecturers and Examiners for Moderatorship and Honors in Legal and Political Science. (Quorum 4.)

*Celtic Languages.*—The Professor of Irish ; the Lecturer in Celtic Languages ; the Professor of Sanskrit and Comparative Philology ; Edmund Curtis, M.A. (Quorum 3.)

*Law.*—The Regius Professor of Laws ; the Regius Professor of Feudal and English Law ; the Professor of Civil Law and General Jurisprudence ; the Reid Professor of Penal Legislation, Constitutional and Criminal Law, and Law of Evidence ; the Registrar of the Law School. (Quorum 4.)

*Physic.*—The Regius Professor of Physic ; the Regius Professor of Surgery ; the Professor of Surgery ; the University Professor of Anatomy and Chirurgery ; the Professor of Comparative Anatomy ; the University Professor of Botany ; the Lecturer in Medical Jurisprudence ; the University Professor of Chemistry ; the Lecturer in Pathology ; Erasmus Smith's Professor of Natural and Experimental Philosophy ; the Four King's Professors ; Professor of Bacteriology and Preventive Medicine ; the Registrar of the School of Physic ; Prof. Sir Robert H. Woods, M.Ch. ; A. W. W. Baker, M.D. ; Professor Wallace Beatty, M.D. ; Prof. E. A. Werner, Sc.D. (Quorum 7.)

*Engineering.*—The Professor of Civil Engineering ; the Erasmus Smith's Professor of Natural and Experimental Philosophy ; the Professor of Geology and Mineralogy ; the University Professor of Chemistry ; the Professor of Applied Chemistry ; the Donegal Lecturer in Mathematics ; the Assistant to the Professor of Natural Philosophy ; the Lecturer in the practice of Electrical Engineering ; the Lecturer in Electric Traction ; the Lecturer in Mechanical Engineering ; the Registrar of the Engineering School ; J. T. Jackson, M.A. ; H. Thrift, M.A. (Quorum 5.)

*Indian and Home Civil Service.*—The Readers and Lecturers for the Indian and Home Civil Service ; the Registrar of the Indian and Home Civil Service School. (Quorum 5.)

*Army.*—The Lecturers of the Army School of the University ; the Registrar of the Army School ; the Commanding Officer and the Adjutant of the Officers' Training Corps. (Quorum 3.)

*Music.*—The Professor of Music ; the Examiners in the School of Music ; the Registrar of the School of Music. (Quorum 2.)

*Education.*—The Professor of Education; the Professor of Moral Philosophy; the Examiners in the School of Education; the Registrar of the School of Education. (Quorum 2.)

*Agriculture.*—The Professor of Zoology; the University Professor of Chemistry; the Professor of Applied Chemistry; the University Professor of Botany; Erasmus Smith's Professor of Natural and Experimental Philosophy; the Professor of Geology and Mineralogy; the Registrar of the School of Agriculture. (Quorum 5.)

## Members of the University Council.

THE PROVOST.

THE SENIOR LECTURER

THE REGISTRAR.

(*Retire 1920.*)

[Vacant.]

[Vacant.]

(*Retire 1921.*)

Edward John Gwynn, M.A.

William Edward Thrift, M.A.

Robert Russell, M.A.

Matthew Wyatt Joseph Fry, M.A.

George Randolph Webb, M.A.

Walter Alison Phillips, M.A.

(*Retire 1922.*)

James Sinclair Baxter, LL.D.

Andrew Francis Dixon, Sc.D.

Alexander Charles O'Sullivan, M.D.

John Joly, Sc.D. (*Secretary*).

(*Retire 1923.*)

Sir Ralph Sillery Benson, M.A.

Sir John William Moore, M.D.

Arthur Warren Samuels, LL.D.

Robert Macalister, LL.D.

Ordinary Meetings of the Council are held on the first and fourth Wednesdays after the commencement of lectures in each term. but if in Hilary Term either of these days falls on Ash Wednesday, then the meetings are held on the second and fifth Wednesdays after lectures commenced. In Michaelmas Term the second meeting is held on the second Wednesday in December. In the years 1920, 1921 these Wednesdays will fall on:—Nov. 10, Dec. 8, 1920, and Feb. 2, Feb. 23, May 11, June 1, Nov. 9, Dec. 14, 1921.

## Members of the Divinity School Council.

---

(a) THE PROVOST (*Chairman*).

(b) Five representatives of the Board:—

[Vacant.]

Louis Claude Purser, Litt.D.

William Ralph Westropp Roberts, D.D.

Matthew Wyatt Joseph Fry, M.A.

Edward John Gwynn, M.A.

(c) Three Members of the Teaching Staff:—

The Regius Professor of Divinity.

Archbishop King's Professor of Divinity.

Hugh Jackson Lawlor, D.D.

(d) Three Representatives of the Bishops of the Church of Ireland:—

Archbishop of Armagh.

Archbishop of Dublin.

Bishop of Meath.

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Meetings of the Council are held on the Thursday after the third Wednesday in January, February, May, and June, and on the Tuesday before the 20th of November, at 2.30 o'clock.

Literary, Scientific, and other Societies of Trinity College.

COLLEGE HISTORICAL SOCIETY.

FOUNDED 1770.

*President*—The Right Hon. Sir John Ross, Bart., LL.D., Judge of the High Court of Justice in Ireland, Chancery Division.

OFFICERS AND COMMITTEES, SESSION 1920-1921.

*Auditor*—B. St. J. Galvin, M.C. (Sch.), B.A.

*Treasurer*—J. R. Halpin.

*Record Secretary*—G. G. Kenny.

*Correspondence Secretary*—S. G. Ronan.

*Librarian*—F. M. O'Connor.

*General Committee.*

C. J. L. Brock, B.A., <i>Ex-Auditor</i> .	H. F. Molony.
R. Brereton Barry.	P. Glynn.
P. G. Boyd.	F. Gibbons.
R. H. M <sup>c</sup> Keag.	

*Library Committee.*

J. A. Leonard.	D. A. M <sup>c</sup> Manus.
K. R. Brunskill.	N. S. Gaffney.

MEDALS—1919-1920.

*Oratory*—Gold, . J. C. Donaldson, M.C. (Sch., Sen. Mod.), B.A.  
Silver, . J. R. Halpin.

*History* } [Not yet awarded.]  
*Composition* }

There are connected with the Society a Reading and Writing Room, Library, and Billiard Room. Cap and Gown boxes are provided.

A number of newspapers, magazines, and reviews are taken in the Reading Room.

Gold and Silver Medals are annually given for Oratory, Composition, and History.

The Opening Meeting of the Session is held on the first Wednesday in November, and Debates take place in the New Debating Hall, Graduates' Memorial Building, every Wednesday evening during Term from November to June. The Debates are open to the Public.

All Students of the University are eligible as Members of the Society.  
Annual Subscription, £1 1s.

Members of the Society are Honorary Members of the Oxford and Cambridge Unions, Edinburgh Speculative Society, and Durham Union.

Further information can be obtained by applying to either of the Secretaries, at the Society's Rooms, Graduates' Memorial Building, Trinity College.

## UNIVERSITY PHILOSOPHICAL SOCIETY.

FOUNDED 1853.

## SESSION 1920-1921.

*President.*—G. S. B. Mack (Sch.).*Secretary.*—G. C. North (Sch.).*Treasurer.*—J. L. Woods.*Librarian.*—M. C. Walker.*Registrar.*—F. Y. Pratt.*Council.*

J. C. Davis (Ex-Sch., Sen. Mod.),	W. L. W. Smith (Sch.).
B. A. ( <i>Ex-Pres.</i> ).	W. N. M'William (Sch.) ( <i>Ex-Lib.</i> ).
D. L. Hemmingway, B.A. ( <i>Ex-Sec.</i> ).	R. K. Dickie.
J. Tate (Sch.) ( <i>Ex-Treas.</i> ).	E. N. M'Kegney.
W. R. Fearon, M.A., D.Sc.	I. Green ( <i>Ex-Sec.</i> ).

*Associate Seats on Council.*

B. C. Waller (Ex-Sch., Sen. Mod.),	L. J. D. Richardson (Ex-Sch., Sen.
B.A. ( <i>Ex-Pres.</i> ).	Mod.), B.A., Univ. Stud. ( <i>Ex-Pres.</i> ).

## MEDALS.

## SESSION 1919-1920.

*Composition*—President's Gold Medal, } [Not awarded yet.]  
 „ Society's Silver Medal, }

*Oratory*—Gold Medal, . . . D. L. Hemmingway, B.A. (*Ex-Sec.*).  
 „ Silver Medal, . . . [None awarded.]

There are connected with the Society a Reading and Writing Room, Billiard Room, and Library. Boxes for Academicals are available for the use of Members.

The Reading and Writing Room is furnished with Stationery, and contains a series of the College Calendars and Examination Papers.

The leading newspapers, reviews, magazines, and other periodicals are taken by the Society.

The Opening Meeting will be held on 11th November. Ordinary Meetings take place in the Debating Hall, every Thursday Evening during Term, from November till June, when Papers are read and discussed by Members.

A Gold and a Silver Medal are offered annually in Composition; a Gold and a Silver Medal in Oratory; a Gold and a Silver Medal in History and Literature; and a Silver Medal in *Æsthetics*.

Annual Subscription, . . . . . £1 1s.

Further information can be obtained on application to the Honorary Secretary, at the Rooms of the Society, Trinity College.



## COLLEGE THEOLOGICAL SOCIETY.

FOUNDED 1830.

SESSION 1920-1921.

*President.*

The Rev. the Regius Professor of Divinity.

*Vice-Presidents.*

Rev. Archbishop King's Professor of Divinity.

Rev. the Professor of Hebrew.

Rev. the Prof. of Pastoral Theology.

Rev. the Professor of Ecclesiastical History.

Rev. the Prof. of Biblical Greek.

Rev. the Warden of the Divinity School Hostel.

Rev. T. T. Gray, M.A.,  
S.F.T.C.D.Rev. W. R. W. Roberts, D.D.,  
S.F.T.C.D.

Rev. J. G. Carleton, D.D.

Rev. D. C. Green, B.D.

Rev. E. J. Young, B.D.

Rev. A. A. Luce, D.D., F.T.C.D.,  
M.C.*Auditor.*—Rev. A. Hobson (Mod.), B.A.*Secretary.*—F. W. Synnott.*Treasurer.*—G. S. M'Phail.*Librarian.*—C. du Cros.*Committee.*

“ *Ex-Officio* ” { The President.  
*Members,* { The Vice-Presidents.  
{ The Officers of the Society.  
The Ex-Auditor, J. K. Beattie, B.A.  
A. S. Bluett.  
D. P. S. Wilson.  
E. W. M'Kegney.  
F. C. Parkes, B.A.

## AWARDS.

SESSION 1919-1920.

*Oratory.*—J. K. Beattie, B.A.*Composition.*—G. K. Carpenter (Sch., Sen. Mod.), B.A.*President's Prize Essay.*—J. M'Cann, B.A.

Divinity Students and those who intend to enter the Divinity School are eligible as Members of the Society.

Annual Subscription, . . . . . 7s. 6d.

Entrance Fee, . . . . . 2s. 6d.

Silver Medals are annually given for Oratory and Written Composition. The President also gives a Prize for an Essay on a given subject. The Opening Meeting of the Session is held on the first or second Monday in November. Ordinary Meetings take place every Monday Evening during Divinity Term, at 8 o'clock, when Papers are read and discussed by members. The Society possesses a valuable Library of Theological books. Further information regarding the Society can be obtained on application to the Honorary Secretary, at Committee Room, Graduates' Memorial Buildings, Trinity College.

## UNIVERSITY BIOLOGICAL ASSOCIATION.

(FOUNDED 1873.)

SESSION, 1920-1921.

*President*—T. O. Graham, M.D., F.R.C.S.I.*Record Secretary*—J. C. Davis (Sch., Sen. Mod.), B.A.*Corresponding Secretary*—R. N. Perrott, 3, T.C.D.*Treasurer*—V. O. M'Cormick, B.A.*Assistant Treasurer*—W. D. Speedy.*Librarian*—C. J. U. Murphy.*Council: above with—*

Seton Pringle, M.D., F.R.C.S.I.  
 J. T. Wigham, M.D., F.R.C.P.I.  
 W. B. Boxwell, M.D., F.R.C.P.I.  
 A. A. M'Connell, M.B., F.R.C.S.I.  
 G. P. Meldon, M.D., F.R.C.S.I.  
 E. G. Campbell, B.A.  
 T. Radloff, B.A.  
 W. H. Smith.

G. Bewley.  
 M. Bewley.  
 S. W. Russell.  
 R. H. Micks (Sch., Sen. Mod.),  
 B.A.  
 E. M'Cormick, B.A.  
 R. A. Dench.  
 L. Smith, B.A.

The object of the Association is the encouragement of Original Investigation in Biology, including Pathology, Therapeutics, and the allied Sciences.

All past and present Members of the University taking an interest in Science or Medicine are eligible for Membership.

Meetings, at which Papers are read, and objects of interest—Microscopic and otherwise—are exhibited, are held, two each month, from November to April. Tea at 8 p.m. Chair taken at 8.15 p.m.

A Silver Medal is awarded at the close of the Session for the most meritorious Paper read at any of the Ordinary Meetings of the Association. All Members shall be qualified to compete who, at the date of reading such Paper, shall not have taken their full qualifications in Medicine and Surgery.

Members desiring to read Papers, or to exhibit objects of interest, are requested to communicate with the Corresponding Secretary.

Members may introduce two Visitors at any Ordinary Meeting.

Annual Subscription, Five Shillings. No Entrance Fee.

A Reference Library and Reading Room has been started in the Graduates' Memorial Buildings for the convenience of Members. Keys can be obtained from the Librarian at a rental of 1s. 6d. per annum, on deposit of 1s.

## UNIVERSITY EXPERIMENTAL SCIENCE ASSOCIATION.

FORTIETH ANNUAL SESSION, 1920-1921.

*Patron*—The Provost.*President*—H. H. Dixon, Sc.D., F.R.S.*Vice-Presidents.*

Thomas Alexander, M.A.I.  
 E. P. Culverwell, M.A., S.F.T.C.D.  
 J. Joly, Sc.D., F.R.S., F.T.C.D.  
 W. G. Smith, M.D.  
 E. A. Werner, Sc.D., F.C.S., F.I.C.  
 W. E. Thrift, M.A., F.T.C.D.  
 M. W. J. Fry, M.A., F.T.C.D.  
 Rev. W. R. W. Roberts, D.D.,  
   S.F.T.C.D.  
 J. R. Cotter, M.A.  
 Sydney Young, Sc.D., F.R.S.

Harry Thrift, M.A., F.T.C.D.  
 H. C. Plummer, M.A. (Oxon.).  
 W. R. G. Atkins, Sc.D.  
 J. T. Jackson, M.A., M.A.I.  
 H. H. Poole, Sc.D.  
 L. B. Smyth, Sc.B.  
 W. Tatlow, M.A., B.A.I.  
 Mrs. Thompson, M.A.  
 Captain Ramsden.  
 W. R. Fearon, M.A., Sc.D.

*Hon. Record Secretary*—Miss A. E. Armstrong (Sch.), 6. T.C.D.*Hon. Correspondence Secretary*—W. Holmes (Sch.), 18, T.C.D.*Hon. Treasurer*—W. H. Thrift (Sch.), Physical Laboratory, T.C.D.*Hon. Librarian*—J. V. Collins, Chemical Laboratory, T.C.D.*Council.*

“ <i>Ex-officio</i> ” Members.	{	H. Bowers (Sch.), <i>Ex-Hon. Rec. Sec.</i>
		A. C. Williams (Sch.), <i>Ex-Hon. Corres. Sec.</i>
		L. D. Whitfield, <i>Ex-Hon. Treas.</i>
		Miss L. R. Judge (Sch.), <i>Ex-Hon. Lib.</i>
Miss M. F. Park.		G. Purdy (Sch.).
J. Bell (Sch.).		R. K. Dickie.
K. C. Bailey (Sch.).		P. K. Dixon.

The object of the Association is the encouragement of investigation in all branches of Experimental Science.

General Meetings are held at intervals during Term, for reading Papers and exhibiting Experiments, in the Physical Laboratory, Trinity College, Dublin. The Chair is taken at 8 p.m., tea being provided by the Association at each Meeting. Members have the privilege of bringing one guest to each General Meeting.

This Association and the University Biological Association jointly possess an Electric Lantern and Projecting Microscope (obtained at a cost of about £150, which was defrayed by private subscription aided by a College Grant). Lantern Exhibitions, open to all Students of Trinity College, are held at short intervals during Term. They commence at 8 o'clock.

The Association possesses a Library in the Physical Laboratory, which includes works on Medicine and Engineering as well as on Experimental and Natural Sciences, and which may be borrowed on application to the Hon. Librarian. A number of Scientific and Medical Journals are subscribed to, and may be consulted in the Library. In conjunction with the University Biological Association, the Association also possesses a Reading Room in the Graduates' Memorial Building.

All Graduates as well as Undergraduates of the University are eligible for Membership. The Annual Subscription is 5s. No Entrance Fee. Prizes are offered annually for Papers given by Junior Members. Further information may be obtained on application to any of the officers.

## DUBLIN UNIVERSITY ENGINEERING STUDENTS' SOCIETY.

*President.*

Thomas Alexander, M.A.I.

*Vice-Presidents.*

The Provost.

Francis Bergin, B.A., B.A.I.  
 John Fraser, M.A., F.T.C.D.  
 Sir John P. Griffith, M.A.I.  
 G. M. Harriss, M.Inst.E.E.  
 Arthur Hassard, B.A., M.A.I.  
 J. T. Jackson, M.A., M.A.I.  
 John Joly, Sc.D., F.R.S., F.T.C.D.  
 C. B. Jones, B.A., L.C.E.

W. Kaye-Parry, M.A., B.A.I.  
 W. E. Lilly, M.A.I., Sc.D.  
 R. A. P. Rogers, M.A., F.T.C.D.  
 William Tatlow, M.A., B.A.I.  
 W. E. Thrift, M.A., F.T.C.D.  
 E. F. C. Trench, M.A., B.A.I.  
 E. A. Werner, Sc.D., F.C.S.  
 Sydney Young, Sc.D., F.R.S.

*Hon. Correspondence Secretary.*

E. B. Coursey.

*Hon. Record Secretary.*

G. F. Waters.

*Hon. Treasurer.*

M. V. Neligan.

*Committee.*

J. H. Starkie.	}	Senior Class.
D. Praia.		
B. L. Hamilton.	}	Middle Class.
E. H. Powell.		
[Not yet elected.]	}	Junior Class.

The object of the Society is the discussion of subjects of Professional interest. Prizes are awarded annually in each Class.

Meetings are held once a fortnight in the Engineering School Buildings for the reading of Papers. Chair taken at 8 p.m.

All Students of the School of Engineering are eligible for Membership.

Further information can be had from any of the Officers of the Society.

## UNIVERSITY OF DUBLIN CHORAL SOCIETY.

(FOUNDED NOVEMBER, 1837.)

*Patron.*

His Majesty the King.

*Vice-Patron.*

The Earl of Iveagh, LL.D., K.P., Chancellor of the University.

*President.*

The Provost.

*Vice-Presidents.*

The Rt. Hon. William Drennan Andrews, LL.D.	Sir Robert Woods, M.Ch., M.P.
The Rt. Hon. D. H. Madden, LL.D.	J. R. Scott, B.A., D.L.

*Committee.—Season 1919–1920.*

The Junior Dean of Trinity College ( <i>Ex-officio</i> ).	R. Grove-White, B.A., <i>Hon.</i> <i>Orch. Reg.</i>
John L. Woods, <i>Hon. Sec.</i>	T. Fred. Figgis, LL.D.
Rev. H. G. Forde, M.A., <i>Hon. Treas.</i>	H. P. Mayne, B.A. ( <i>Ex-Treas.</i> )
E. A. Jones, <i>Hon. Lib. and Reg.</i>	John Lamb.
	F. H. M'Cormick.

*Auditors.*

Robert Macalister, LL.D.	T. Henry Maxwell, LL.D.
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*Conductor.*

George H. P. Hewson, Mus. Doc.

## SEASON.—OCTOBER, 1920, TO JUNE, 1921.

Members of the Band meet for Practice on Thursday, and Members of the Chorus on Friday, both at 4 o'clock. Evening Practices are also held during Term time.

Subscription :—Performing Member, . . .	£1	1	0	per annum.
Non-Performing Member, . . .	1	10	0	„
Lady Associate, . . .	0	15	0	„
Orchestral Associate, . . .	0	15	0	„
Non-performing Associate, . . .	0	10	6	„

All persons who have entered the University of Dublin, of Oxford, or of Cambridge, are eligible for Membership.

Further information may be obtained from the Hon. Sec., Committee Rooms, No. 4, Trinity College, on Practice Days.



## COLLEGE CLASSICAL SOCIETY.

FOUNDED 1906.

SESSION 1920-21.

*Patron.*

Right Hon. Dodgson Hamilton Madden, LL.D., Litt.D.

*Vice-Patrons.*

Rev. T. T. Gray, M.A., S.F.T.C.D.

Right Hon. Sir John Ross, Bart., LL.D.

*President.*

L. C. Purser, Litt.D., S.F.T.C.D.

*Officers and Committee.**Auditor.*—R. M. Ferguson (Sch.).*Secretary.*—G. S. B. Mack (Sch.).*Treasurer.*—W. A. Laidlaw (Sch.).*Librarian.*—J. L. Woods.*Council.*L. J. D. Richardson (Sch., Sen.  
Mod.), B.A., Univ. Stud. (*Ex-  
Aud.*).

J. C. Donaldson (Sch.).

O. A. C. Irwin (Sch., Sen. Mod.),  
B.A.

J. P. Gibson (Sch.).

J. Tate (Sch.).

J. A. West (Sch.).

G. A. Duncan.

This Society has been established for the promotion of Classical study, and especially of original work. It possesses a considerable Lending Library for the use of Members, consisting of texts, the best-known editions, books of reference, and general works on the history and literature of Greece and Rome, and including almost all books prescribed in the Classical Course.

The Society holds a suite of rooms in No. 7, comfortably furnished as reading-rooms.

Meetings are held on each Friday evening in Lecture Term: at these meetings Essays are read, followed by a discussion of any original or interesting view that arises. Lantern evenings are also held at intervals. Prizes are offered for the best Essays read during the year, and for sets of compositions and translations.

The Annual Subscription is 5s. for Members of Freshman standing; 7s. 6d. for all other Members.

## UNIVERSITY ELIZABETHAN SOCIETY.

FOUNDED 1905.

SESSION 1920-1921.

*President.*

Mrs. Madden.

*Secretaries.*

M. Clayton. | M. Olphert.

*Treasurers.*

N. Ffrench. | M. Disney.

*House-Officer.*

D. Bingham.

*Librarian.*

K. Thompson.

*Committee.*

“ *Ex-Officio* ” { M. Copeland (*Ex-Sec.*).  
*Members.* { A. E. Johnston (*Ex-Sec.*).  
 U. Menary.  
 L. Burt.  
 D. M'Laughlin.  
 O. Madden.  
 A. Shanks.  
 E. Donaldson.  
 A. Crawford.

There are connected with the Society a Reading and Writing Room, a small Library, and a Lunch and Tea Room.

The Writing Room is furnished with Stationery, and the leading newspapers, reviews, magazines, and other periodicals are taken by the Society. The Library contains a selection of standard works.

Lunch and Tea may be obtained in the Lunch Room; and Members have the right of introducing Visitors.

All Women Students of the University are eligible as Members of the Society.

Further information can be obtained by applying to either of the Secretaries, at the Society's Rooms, 6, Trinity College.

## TRINITY COLLEGE CHURCH MUSICAL ASSOCIATION.

1920-21.

*Patron.*

The Provost.

*Vice-Patrons.*

The Regius Professor of Divinity.

The Archbishop King's Professor of Divinity.

*President.*

The Rev. H. J. Lawlor, D.D., Litt.D.

*Choirmaster.*

Rev. J. P. Shortt, M.A.

*Organist.*

S. Mann.

*Assistant Organist.*

C. du Cros.

*Honorary Secretary.*

C. du Cros.

*Honorary Secretary for Women Students.*

Angel Rainsford (Sch.).

*Honorary Treasurer for Women Students.*

Ivy G. Anderson.

*Honorary Treasurer.*

W. E. White.

*Honorary Librarian.*

R. K. Flewett.

*Committee.*

W. G. Acheson, B.A.

A. T. I. Ford (Sch.).

Violet Hinchy.

G. Mann.

Dorothy E. Warwick.

M. Kathleen Wilson.

The object of the Association is the encouragement of the study of Church Music amongst Students, and especially amongst Divinity Students, to enable them later to take an active interest in the Music of their Parish Churches.

The Choirmaster of the College gives instruction in part-singing to the members on two days in each week (*Friday, at 12 noon (men), and 1 p.m. (women), and on Tuesday, at 2.30 p.m.*) in Michaelmas and Hilary Terms. During these Terms, Evensong, on Tuesdays, at 3.45 p.m., is rendered chorally, the Members of the Association forming the Choir.

Individual instruction in intoning is also given during Trinity Term to as many Members as desire it.

Certificates are granted to Members of the Association who regularly attend the Services and Practices for three Terms, and pass a satisfactory Examination in Church Music in Trinity Term.

Annual Subscription, One Shilling.

## NEOPHYTE DEBATING SOCIETY.

1920-21.

*President.*

J. M. Henry, M.A., F.T.C.D.

*Vice-Presidents.*

E. H. Alton, M.A., F.T.C.D.	T. C. Kingsmill Moore (Sch.,
J. Johnston, M.A., F.T.C.D.	Sen. Mod.), B.A.
B. C. Waller (Sch., Sen. Mod.),	W. H. B. Mack (Sch., Sen.
B.A.	Mod.), B.A.
L. J. D. Richardson (Sch., Sen.	J. C. Donaldson (Sch., Sen.
Mod.), B.A., Univ. Stud.	Mod.), B.A.
H. M. O. White (Ex-Sch., Sen.	J. V. Bateman (Sen. Mod.),
Mod.), B.A.	B.A.
Rev. W. C. de Pauley, (Sen.	
Mod.), B.A.	

*Hon. Secretary.*

W. M'C. Stewart (Sch.).

*Committee.*

A. C. Williams (Sch.), <i>Ex-Sec.</i>	R. N. Dowse.
P. G. Boyd, <i>Ex-Sec.</i>	H. S. M'Tier.
F. M. O'Connor.	J. G. Shackelton.
R. H. M'Keag.	

## MEDALS.

*Silver Medal in Oratory* (1914-19)—C. J. L. Brock, B.A.  
 „ „ „ (1919-20)—B. Maginess (Sch.).

The Society was founded to afford Freshmen practice in speaking, and so act as a sort of training-ground for the Senior Debating Societies.

Meetings are held in No. 22 on Mondays during Michaelmas and Hilary Terms. The Chair is taken at 8 p.m.

Students below Senior Sophister standing are eligible for Membership, and become Members on payment of the Subscription (2s. 6d.) to the Hon. Secretary.

A Silver Medal is awarded annually in Oratory.

# DUBLIN UNIVERSITY STUDENT CHRISTIAN MOVEMENT.

1920-1921.

## MEN'S UNION (founded 1889).

### *President.*

J. T. Wigham, M.D.

### *Vice-Presidents.*

E. P. Culverwell, M.A.,  
S.F.T.C.D.

R. Russell, M.A., S.F.T.C.D.

Professor W. E. Thrift, M.A.,  
F.T.C.D.

W. Kennedy, M.A., F.T.C.D.

J. M. Henry, M.A., F.T.C.D.

Professor H. T. Bewley, M.D.

Rev. A. H. McNeile, D.D.

Professor H. W. Mackintosh, M.A.

Professor S. Young, Sc.D.

Professor W. F. Trench, Litt.D.

Rev. W. Crawford, M.A.

Rev. R. K. Hanna, B.A.

Rev. T. Tatlow, M.A.

### *Chairman.*

J. Bell (Sch.).

### *Hon. Secretary.*

K. C. Bailey (Sch.).

### *Hon. Treasurer.*

A. C. Williams (Sch.).

### *Executive Committee.*

Officers, with :—T. Parkes, B.A.,  
J. E. McCormick, B.A., P. G.  
Boyd, O. W. Gilmour, A. B.  
Lavelle, J. K. S. Thompson,  
D. J. Malan, I. F. de Villiers.

## WOMEN'S UNION (founded 1905).

### *President.*

Isabel Leslie.

### *Hon. Secretary.*

Noëlle French (Sch.).

### *Hon. Treasurer.*

Kathleen Watson.

### *Committee :*

G. Moss (*Librarian*); E. Malone  
(*Hall Secretary*); R. Wright  
(*House Officer*); M. Powell  
(*Medical Sub-Committee*); L.  
Stewart (*S. V. M. U. Represent-*  
*ative*); A. Gordon (*D. I. C. V.*  
*Representative*); Q. Speedy.

The object of the Movement is to unite students in Christian fellowship, to promote prayer and Bible study, and to bring before its members the Christian solution of social problems and the need for the evangelisation of the world.

Meetings and study circles are held frequently during Term. Applications for membership will be gladly received by the Secretaries.

The two branches of the Movement in Trinity College form units in the World's Student Christian Federation, which binds together in one body Christian unions in Universities and Colleges all over the world.



# THE DUBLIN UNIVERSITY CALENDAR.

## Introduction.

### UNIVERSITY OF DUBLIN, TRINITY COLLEGE.

§ I. THE UNIVERSITY OF DUBLIN was founded by Queen Elizabeth, A.D. 1591. On the third day of March in that year, a College was incorporated by Charter or Letters Patent, as “the Mother of an University,”<sup>a</sup> under the style and title of “The College of the Holy and Undivided Trinity, near Dublin, founded by Queen Elizabeth.”<sup>b</sup>

Previous to the year 1873, the Provostship, Fellowships, and Foundation Scholarships of Trinity College could only be held by Members of the Church of Ireland. This restriction was sanctioned by Parliamentary enactments in the case of the Provostship and Fellowships (33 Geo. III. c. 21). With regard to the Foundation Scholarships, the limitation arose solely from certain provisions in the College Statutes. All these restrictions were removed by the Act 36 Vict. c. 21. The preamble to this Act recites that it is expedient “that the benefits of Trinity College, and the University of Dublin, and of the schools in the said University, as places of religion and learning, should be rendered freely accessible to the nation,” and that all restrictions, tests, and disabilities should be removed.

§ II.—GOVERNMENT.—Subject to the control of Acts of Parliament and Royal Statutes, the government is in the hands of the Board, in conjunction with the Visitors, but in most matters relating to education, as specified in detail below, it acts conjointly with the Council, and in matters relating to the conferring of Degrees, the sanction of the Senate is required.

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<sup>a</sup> “Unum Collegium mater Universitatis . . . pro educatione, institutione et instructione juvenum et studentium in artibus et facultatibus, perpetuis futuris temporibus duraturum, et quod erit et vocabitur Collegium Sanctæ et Individuæ Trinitatis, juxta Dublin, a serenissimâ Reginâ Elizabethâ fundatum.”—*Charta Reg. Eüz. anno regni tricesimo quarto.*

<sup>b</sup> For an account of the various Charters and Royal Letters affecting Trinity College see “Statuta Collegii atque Universitatis Dubliniensis.”

The BOARD consists of the Provost and seven Senior Fellows, and the Fellows, if any, other than Senior Fellows, who may be elected by the Board to the office of Bursar, Senior Lecturer, or Registrar, together with two representatives of the Junior Fellows, and two representatives of the Professors.

The VISITORS are the Chancellor of the University (or, in his absence, the Vice-Chancellor) and the Lord Chief Justice of Ireland.

The SENATE, or Public Congregation, of the University, consists of the Chancellor, or, in his absence, of the Vice-Chancellor, or Pro-Vice-Chancellor for the time being, and such Doctors or Masters of the University as keep their names on the books of the College in accordance with such regulations as the Board may enact. (See p. 23.)

The Caput of the Senate consists of the Chancellor, or Vice-Chancellor, or Pro-Vice-Chancellor, the Provost, or, in his absence, the Vice-Provost, and the Senior Master non-regent,<sup>a</sup> who is elected by the Senate.

The Senate is convened only by the Chancellor, or, in his absence, the Vice-Chancellor or Pro-Vice-Chancellor, each of whom, when presiding, has power to adjourn or dissolve its meetings, and has a casting vote. The Chancellor, or in his absence, the Vice-Chancellor or Pro-Vice-Chancellor, is bound to convene the Senate, on a requisition presented to him by the Board, and the Senate shall meet at such time, and for such purpose, as shall be stated in such requisition.

Whenever the office of Chancellor becomes vacant, the Board must, within one calendar month, propose to the Senate the names of three persons, from amongst whom the Senate must elect a Chancellor within one month from the day of such proposal. In computing these periods, the interval between the 1st of July and 1st of October shall not be taken into account, nor shall an election take place during such interval. If the Senate decline or omit to elect, the nomination of the Chancellor passes to the Crown. The Vice-Chancellor continues to hold his office during the vacancy of the office of Chancellor, and, during such vacancy, has power to convene the Senate for the purpose of electing a Chancellor, and has authority to exercise all the functions and duties of the Chancellor, until the election of the Chancellor.

The Vice-Chancellor, if unable to attend any of the meetings of the Senate, is empowered, by writing under his hand and seal, to appoint a Pro-Vice-Chancellor for that special occasion.

The Board has power to alter, amend, and repeal all laws, rules, or by-laws heretofore existing, and to make new rules and

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<sup>a</sup>Each Master in Arts is called a regent during the three years following the time he took that Degree. The name originated from the duty formerly imposed on such Masters of regulating the disputations of the Schools.

laws, from time to time, for the more solemn conferring of Degrees by the Senate; provided always that no such new laws, or alteration of existing laws, shall be of force or binding upon the University, until they shall have received the sanction of the Senate lawfully assembled.

No law, rule, by-law, or grace whatsoever, for the conferring of Degrees, or any other purpose, can be proposed to the Senate, which has not been first proposed to and adopted by the Board. The Chancellor or Vice-Chancellor presiding is empowered to prohibit any such law or grace from being proposed to the Senate.

Gowns are worn at meetings of the Senate.

The COUNCIL consists of the following members:—The Provost, or, in his absence, the Vice-Provost; the Senior Lecturer; the Registrar; and sixteen members of the Senate, namely:—two elected by the Board; six elected by all of the Junior Fellows and those of the Professors and of the King's Professors appointed to lecture or examine in the Schools in Arts as hereinafter defined; one elected by those of the Junior Fellows and Professors appointed to lecture or examine in the School of Law; two elected by those of the Junior Fellows and Professors appointed to lecture or examine in the School of Physic; one elected by those of the Junior Fellows and Professors appointed to lecture or examine in the School of Engineering; four members elected by all the members of the Senate.

The Schools in Arts consist of the following Schools, viz.:—The School of Mathematics, the School of Classics, the School of Hebrew and Oriental Languages, the School of Mental and Moral Science, the School of Experimental Science, the School of Natural Science, the School of History and Political Science, the School of Modern Languages and Literature, the School of Legal and Political Science, the School of Celtic Languages, and such other Schools in Arts as may hereafter from time to time be established.

The Council nominates to all Professorships, except those the nomination to which is vested in some other body or persons by Act of Parliament, or by the directions of private founders, and except also the Professorships in the School of Divinity. Such nomination is subject to the approval of the Board. In the event of the Board refusing its approval to the nomination of the Council, the Chancellor decides whether the grounds for such refusal are sufficient. If they appear to him to be insufficient, he declares the person nominated by the Council to be duly elected. If not, the Council proceeds to a fresh nomination. If no election shall take place within the space of six calendar months from the date of the vacancy, or from the time of the creation of any new Professorship, the right of nomination and election for the purpose of

filling up such vacancy, or of appointing to such new Professorship, lapses to the Chancellor. No person, being at the time a member of the Council, shall be nominated by the Council to any Professorship.

Except so far as is otherwise provided by Act of Parliament, or by direction of private founders, any proposed new rules or regulations respecting studies, lectures, and examinations (other than those connected with the School of Divinity, with which the Council has no authority to interfere), and also any proposed new rules or regulations respecting the qualifications, duties, and tenure of office of any Professor in any Professorship now existing, or hereafter to be constituted, except the Professors and Professorships connected with the said School of Divinity, and any proposed alterations in any existing rules or regulations respecting such studies, lectures, and examinations, qualifications, duties, and tenure of office, save as aforesaid, require the approval both of the Board, and of the Council.

All such new rules and regulations and alterations in any rules or regulations may be originated either by the Board, or by the Council.

No new Professorship can be created or founded by the Board without the consent of the Council.

§ III. TEACHING.—The Examining Staff consists of the Provost, Fellows, and Professors.

The Lecturing Staff consists of the Junior Fellows and Professors.

The greater part of the teaching in the obligatory Courses in Arts is performed by the Junior Fellows. To Professors selected from among them is entrusted for the most part the instruction which is given in the highest departments of these Courses. Special Lecturers are selected to lecture Candidates for Honors.

From the early Statutes it would seem to have been originally intended that the Fellows should carry on the special instruction required by Students desirous of qualifying themselves for particular Professions. But the growing requirements of the Professional Schools, especially the Medical, prevented this design from being carried out, and the special instruction required for the Professional Schools of Divinity, Law, Medicine, Engineering, the Army, and Agriculture is now, for the most part, delivered by Professors elected to teach special subjects.

Outside the regular Courses in Arts, and the branches of study required in the Professional Schools, there are various departments of learning for the cultivation of which Professorships have been from time to time founded.

§ IV. DEGREES are publicly conferred by the Chancellor or Vice-Chancellor, in the Senate or Congregation of the University.

The Grace of the House for a Degree in any Faculty having



first been granted by the Board, must pass the Caput before it can be proposed to the rest of the Senate, and each member of the Caput has a negative voice. If no member of the Caput objects, the Proctor, in a prescribed form of words, *supplicates* the Congregation for their public Grace; and, having collected their suffrages, declares the assent or dissent of the House accordingly; if the *placets* be the majority, the Candidates for Degrees are *presented* to the Senate by the Regius Professor of the Faculty in which the Degree is to be taken; or, if it be a Degree in Arts, by one of the Proctors: they then advance in order before the Chancellor, who confers the Degree according to a formula fixed by the University Statutes,<sup>a</sup> and after which the Candidates then subscribe their names in the Register.

Public Commencements for the conferring of Degrees are held four times in each year on days published in the Almanac. A *Diploma* is sometimes given to those who are fully qualified for a Degree, but whose circumstances may render it inconvenient for them to wait for the public Comitia; but such persons can exercise none of the rights and privileges connected with their Degree until they have appeared at Commencements, and have had the Degree publicly conferred on them by the Chancellor or Vice-Chancellor. An exception to this rule may be made in favour of candidates when the circumstances which prevent their appearing in person are of a sufficiently grave or exceptional nature. (See page 15.)

A meeting of the Senate for the consideration of names proposed for Honorary Degrees is held at the end of Hilary Term, to which attention is called a week before by notice on the College gate.

The following Regulations with regard to the order to be observed in conferring Degrees at the Public Commencements have been sanctioned by the Vice-Chancellor:—

I. The Chancellor announces the opening of the Comitia. At the Winter Commencements the Senior Master non-regent is elected, on the proposition of the Chancellor and the Provost; and the two Proctors and the Registrar make the statutory affirmation.

II. The Senior Proctor supplicates for the Licenses in Medicine, in Surgery, and in Engineering. The Junior Proctor supplicates for the Degrees of Bachelors in Arts. The Senior Proctor supplicates for the other ordinary Degrees.

III. The Senior Lecturer introduces the Moderators to the Chancellor, who presents them with their Medals. The Senior Lecturer introduces the Respondents to the Chancellor, who presents them with their Certificates.

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<sup>a</sup> See the forms of presentation and supplication, and also the forms of suspension and absolution, in the University Statutes.—*Stat. Univ.* after cap. xi. The forms for conferring Degrees are given in cap. v.



IV. Licences in Medicine, in Surgery, and in Engineering are conferred.

V. Candidates for Honorary Degrees are presented to the Senate and admitted by the Chancellor.

VI. Candidates for Ordinary Degrees are presented and admitted. Candidates in Arts are presented by the Proctors: other Candidates by the Professors of their respective faculties. In presenting the Candidates the following order is observed:—

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|--|---|
| 1. Bachelors in Music who are not Graduates in Arts. | 13. Masters in Dental Science.                  |
| 2. Doctors in Music who are not Graduates in Arts.   | 14. Masters in Engineering.                     |
| 3. Bachelors in Arts.                                | 15. Masters in Obstetric Science.               |
| 4. Bachelors in Agriculture.                         | 16. Masters in Surgery.                         |
| 5. Bachelors in Science.                             | 17. Masters in Arts.                            |
| 6. Bachelors in Dental Science.                      | 18. Bachelors in Divinity.                      |
| 7. Bachelors in Music who are Graduates in Arts.     | 19. Doctors in Music who are Graduates in Arts. |
| 8. Bachelors in Engineering.                         | 20. Doctors in Philosophy.                      |
| 9. Bachelors in Obstetric Science.                   | 21. Doctors in Literature.                      |
| 10. Bachelors in Surgery.                            | 22. Doctors in Science.                         |
| 11. Bachelors in Medicine.                           | 23. Doctors in Medicine.                        |
| 12. Bachelors in Laws.                               | 24. Doctors in Laws.                            |
|  | 25. Doctors in Divinity.                        |

No Grace for a Degree will be presented to the Senate unless the Candidate shall have communicated with the Proctor at least the day before the Commencements.

## Terms and Exercises required for the several Degrees.

To take the Degree of *Bachelor in Arts*, the Student must keep the Terms required by the Rules of the College. He must pass two stated Examinations—one at the end of his second year, the other at the termination of the University Curriculum.

*A Master in Arts* must be a B.A. of three years' standing.

When the time at which a higher Degree can be taken is said to be reckoned from the taking of the Degree of Bachelor in Arts, or in any Faculty, the time may be reckoned from the date at which, according to the laws and statutes of the University, the Degree of Bachelor might have been taken. Thus a Candidate is of proper standing to take the Degree of M.A. three years after he has *passed* the Examination for the B.A. Degree. With this condition, the inferior and superior Degree may be taken on the same day.

In the case of a candidate for a higher Degree whose studies have been interrupted owing to his having served with H. M.

Forces, 1914-18, upon his completion of the required exercises, the date when these exercises might, in the opinion of the Board, have been completed, if he had proceeded regularly with his course, will be accepted as the date of his qualifying for the lower Degree.

The qualifications for the Degree of *Bachelor in Science* (Sc.B.) shall be research and advanced study in any important branch of Mathematical, Experimental, Natural, or Applied Science.

A Graduate of the University of Dublin, having obtained Moderatorship in Mathematics, Experimental Science, or Natural Science, may present himself for the Degree of Sc.B. one full year after graduation, provided he shall during that year have devoted himself to any important branch of Mathematics, Physics, Natural or Applied Science, both by advanced study and by research. The latter, when of an experimental or observational nature, must be carried on, as far as practicable, in the Laboratories of the College; or in Laboratories recognized by the Board and Council.<sup>a</sup>

A Graduate of any other approved University who possesses a Degree the equivalent of Moderatorship, having spent a full year in residence in the University of Dublin, and having during that time pursued one of the branches of Mathematics, Experimental, or Natural Science, by advanced study and research, as defined above, shall be eligible to present himself for the Degree of Sc.B.

A Graduate of the University of Dublin who has not obtained a Moderatorship, or a Graduate of any other approved University, may qualify himself for entry upon the course of study and research by presenting himself at the Moderatorship Examination which embraces the subject of his intended studies, and obtaining such marks thereat as would qualify for Moderatorship.

The Candidate will be required to submit, in writing, to the Registrar a statement of the course of study and research which he desires to pursue, that it may be laid before the Board for approval.

The proficiency of the Candidate in the branch of Science which he has selected shall, at the close of his year of study, be tested by Examination. The Examiners shall be selected by the Board, and may include one or more who are not members of the College staff.

The Candidate shall submit to the Registrar, not less than one fortnight before the date of the Examination, a Thesis (type-written or in print) giving an account of his research, and shall at the same time forward to the Bursar the sum of five pounds, and the Board shall submit this Thesis to Referees. The Referees and Examiners shall present a joint report to

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<sup>a</sup>The Laboratories of the Royal College of Science, Dublin, are recognized under this scheme.

the Board upon the merits of the Candidate, not less than one week before the date of Conferring of Degrees. In the event of the Degree being granted, the above payment will be allowed as part payment of the Degree fee of ten pounds to the Senior Proctor.

The following Scale of Fees for Extern Students preparing for the Sc.B. Degree was approved by the Board on April 26, 1913:—

A. If the candidate proposes to present himself at the Moderatorship Examination in order to obtain the necessary qualification, he shall pay:—(a) £3 10s. for each Term prior to qualifying at that Examination during which he attends the College Laboratories; (b) £9 3s. prior to presenting himself at the Moderatorship Examination; (c) £2 2s. for each Term subsequent to his qualifying at the Moderatorship Examination during which he attends the Laboratories.

B. If the candidate does not present himself at the Moderatorship Examination, he shall pay £3 10s. for each Term during which he attends the College Laboratories.

*Doctor in Philosophy.*—A candidate for the Degree of Doctor in Philosophy (Ph.D.) must either (a) be a graduate of the University who has gained a Moderatorship, or has obtained the Degree of Sc.B., or has done such work in the Laboratories during his Undergraduate course as shall show his fitness to proceed with the exercises required for the degree; or (b) have obtained a degree in some other approved university such as will qualify him to enter on a course of advanced study or research.

The candidate, qualified as above, must pursue, under the supervision of the professors concerned, a whole-time course of research or advanced study in some branch of science, or letters, or philosophy selected by him, for a period of two academic years. Provided always that in lieu thereof an equivalent amount of work, spread over a longer period, may be accepted, and that in substitution for one of the two years the candidate may offer evidence of an equivalent amount of literary or research work done previously in an approved institution, or may elect, at the conclusion of his first year, and with the approval of the professors concerned, to pass his second year at some other seat of learning at home or abroad.

At the conclusion of his course the candidate must embody his results in a thesis, which must be approved by the professor or professors concerned as sufficiently showing the candidate's qualification for the degree, and which must be communicated by him to a meeting held within the College, open to all members of the University, and convened by the Provost. He may also be required to present himself for examination in branches of knowledge cognate to the special field of his researches.

The Examiners appointed to report on the merit of the work submitted shall have power to question the author upon his work, either *viva voce* or in writing.

The work must be printed and placed in the hands of the Registrar to be submitted to the Examiners at least two months before the date of the Commencements at which the candidate desires to obtain the Degree.

*Doctorate in Science or Literature.*—Any graduate applying to the Registrar to have the Private Grace of the Provost and Senior Fellows for the Degree of *Doctor in Science* or *Doctor in Literature* must as a preliminary step lodge with the Bursar the sum of ten pounds, to be paid to the Examiners who are to inquire into the scientific or literary claims of the applicant: in the event of the Degree being granted, this sum will be allowed in part payment to the Senior Proctor of the fee of twenty-five pounds for the Degree. The candidate must also, with the work he submits for the Degree, supply full information as to the authorities and materials which he has used, and must declare, in writing, that the work is his own and has not been submitted as an exercise for a Degree at any other University.

The Examiners appointed to report on the merit of the work submitted shall have power to question the author upon his work, either *viva voce* or in writing.

The work must be printed and placed in the hands of the Registrar that it may be submitted to the Examiners at least two months before the date of the Commencements at which the candidate desires to obtain the Degree.

*A Doctor in Science* must be a Bachelor in Arts of the University of Dublin of at least three years' standing. The primary test for the Doctorate shall be original published work in Science submitted by the candidate. It must contain such results as mark an advance in scientific knowledge; and in the case of experimental work must show the candidate's power of following up experimental evidence in the elucidation of phenomena, and that he possesses originality in planning experiments and ability in deducing conclusions therefrom.

*A Doctor in Literature* must be a Bachelor in Arts of the University of Dublin of at least three years' standing. The primary test for the Doctorate shall be published work submitted by the candidate, and forming an original contribution to the study of (*a*) Literature, Ancient or Modern; or (*b*) Philosophy; or (*c*) Æsthetics; or (*d*) History; or (*e*) Archæology. (Works dealing with other departments of study, such as Theology or Law, which possess a special doctorate, may not be submitted for the Litt.D.) The candidate's work must show evidence of independent inquiry, and must either contain some real addition to knowledge, or present a fresh interpretation of materials



already known. It must be of substantial importance, and should as a rule, be concerned with a single subject. If separate papers or essays are submitted, they should exhibit some unity of aim.

*Degrees in Divinity.*—All exercises and examinations necessary to the attainment of Degrees in Divinity are under the control of a Court consisting of the Regius Professor of Divinity or his Deputy, Archbishop King's Professor of Divinity, the Professor of Biblical Greek, and the Professor of Ecclesiastical History.

All correspondence relative to Degrees in Divinity must be addressed to the Regius Professor, or to his Deputy.

*A Bachelor of Divinity* must be a Bachelor of Arts of three years' standing. He must likewise have undergone a special Examination in Divinity.

Candidates for this Degree will be required to show a general knowledge of the Scriptures of the Old and New Testament, of Ecclesiastical History, and of Dogmatic Theology, and also to have made a special study of some particular branches.

*Examinations.*—As a general rule, it is required that Candidates shall be examined in the Course annually appointed for Examination for Theological Exhibitions (see under Divinity School, "Theological Exhibitions"). It consists of six Divisions, viz.:—

- I. Old Testament,
- II. Hebrew,
- III. New Testament,
- IV. Dogmatic Theology,
- V. Ecclesiastical History, and
- VI. Patristic Theology.

Candidates for the B.D. Degree are permitted to bring up any one or more of these Divisions, in any order, at any one of the three Examinations which are annually held in March, June, and December, and to reserve the rest for any subsequent Examination or Examinations. They are required to give notice to the Regius Professor a month before the Examination at which they propose to present themselves, stating at the same time in what divisions of the Course they desire to be examined. Each Candidate, when he gives such notice, must send to the Senior Proctor an examination fee of one guinea for each Division specified in his notice. The fees so paid by the Candidate will, in case he obtains the Degree, be allowed (to an amount not exceeding six guineas) in part payment of the Degree fee of £13 15s.

The Court, on sufficient reason being shown, may make different arrangements for a Candidate's Examination. Application for such special arrangements must be made three months before the Commencements at which the Candidate desires to obtain his Degree.



Candidates who do not hold the Divinity Testimonium will further be examined in the following:—

Division VII.

- (1) Butler, *The Analogy*.
- (2) The Article *Miracle* in Hastings' *Dictionary of the Bible*.
- (3) Paley, *Horæ Paulinæ*.
- (4) A. B. Davidson, *Old Testament Prophecy*. Edited by J. A. Paterson, omitting chaps. 8, 9, 10, 12, 15, 18, 23, 24.
- (5) Swete, *The Apostles' Creed*.
- (6) The Thirty-nine Articles of Religion, with Bishop Gibson's *Exposition*.

Candidates, on giving not less than one month's notice, may substitute for (6) *The Westminster Confession of Faith*, *The Form of Presbyterial Church Government*, and *The Directory for Public Worship*.

*Thesis*.—As a proof that the Candidate has, in addition to the general course of reading, made a special study of some particular branch, he must send to the Regius Professor, two months before the day of Commencements, a Thesis, printed or type-written, on a subject chosen by himself and approved of by the Court. The Thesis should be accompanied with references to the authors consulted in its composition.

A *Doctor in Divinity* must be a Bachelor of Arts of eight years' standing, and must also be a Bachelor in Divinity. He is required to present a printed Thesis, in which he has treated of and explained some portion of Doctrine from the Holy Scriptures, or of the History of the Church, or of Dogmatic Theology. It is desirable that the Candidate, before printing his Thesis, should have the subject approved of by the Court. This Thesis he must send to the Regius Professor two months before the day of Commencements, and at the same time he must lodge with the Bursar a sum of £5, to be paid to an Examiner appointed by the Court, who, together with the Regius Professor, shall report to the Court on the merits of the Thesis. In the event of the Degree being granted, such sum will be allowed in part payment to the Senior Proctor of the fee of £26 for the Degree.

The University of Dublin Tests Act (36 Vict. chap. 21) abolishes the necessity formerly imposed on Candidates for the Degree of Bachelor or of Doctor of Divinity of subscribing the declaration of the Royal Supremacy, the Liturgy of the United Church of England and Ireland, and the Thirty-nine Articles.

A *Bachelor in Laws* must have taken the Degree of Bachelor in Arts. He must also have passed a Special Examination. For details, see Law School.

A *Doctor in Laws* must be a B.A. of three years' standing, and must have taken the degree of LL.B.

For the procedure by which Candidates may qualify themselves to obtain this Degree, see School of Law.

*A Bachelor in Medicine* must have taken the Degree of Bachelor in Arts, and must have spent five years in the study of Medicine. Before the Grace of the House can be obtained, the Candidate must pass a public Examination in the Hall before the Medical Professors.

For regulations see School of Physic.

*A Doctor in Medicine* must have taken the M.B. Degree, and must be of M.A. standing. He must also read a Thesis publicly before the Regius Professor of Physic or must undergo an Examination before the Regius Professor, according to regulations to be approved by the Board.

*A Bachelor in Surgery* must be a Bachelor in Arts, and have spent five years in the study of Surgery and Anatomy. Before the Grace of the House can be obtained, the Candidate must pass a public Examination in the Hall before the Professors of the School.

*A Master in Surgery* must be a B.Ch. of three years' standing, and must produce satisfactory evidence of having been engaged for not less than two years from the date of his registration in the study or practice of his profession. He must then pass an Examination in Surgery and Surgical Anatomy. Graduates in Surgery of the University of Dublin, of not less than ten years' standing, may be recommended for the Degree of M.Ch. by the vote of the Court of Examiners on such Examination as they shall determine.

*A Bachelor in Obstetric Science* must have graduated in Medicine, have attended a Winter's Course of Lectures in Midwifery at a recognized School, have practised Midwifery for six months at a recognized Hospital or Maternity, and must pass an Examination in Practical Midwifery, Gynæcology, and Obstetrical Anatomy.

*A Master in Obstetric Science* must be a B.A.O. of two years' standing, and must produce satisfactory evidence of having been engaged for two years in the study of Obstetric Science. Before the Grace of the House can be obtained, the Candidate must pass the M.A.O. Examination according to regulations approved by the Board.

*A Bachelor in Dental Science* must be a Bachelor in Arts, must have spent at least four years in the School of Dentistry, and passed the requisite Examinations.

*Masters in Dental Science* must be Bachelors in Dental Science of at least one year's standing. They will be required to pass an Examination in Pathology and Bacteriology, and either to carry out Dental work of an advanced character to the satisfaction of the Examiners, or to present a thesis to be approved of by them, giving evidence of original research on some subject connected with Dentistry.

*A Bachelor in Civil Engineering* must have taken the Degree of Bachelor in Arts. He must also have spent two years at least

in the study of Civil Engineering, and have passed all the Examinations of the School. (See Engineering School.)

*A Master in Civil Engineering* must have taken the Degree of Bachelor in Civil Engineering; he must also have practised for three years as a Civil Engineer, after having obtained the Degree of B.A.I.

*A Bachelor in Agriculture, or in Agriculture (Forestry)*, must have taken the Degree of Bachelor in Arts, and must have fulfilled the necessary conditions. For details, see "Schools of Agriculture and of Forestry."

*Degrees in Music*.—Candidates for Degrees in Music must matriculate in Arts, but are not required, as in the other Faculties, to proceed with the Arts Course.

All Candidates for Examinations in Music are required to give one month's notice of their intention to present themselves.

*Bachelor in Music*.—The Examination for this Degree is divided into two parts:—

1. *Preliminary Examination* to include—

- (a) Harmony up to four parts from a figured bass.
- (b) The addition of three parts to a given melody, placed in any voice.
- (c) Strict Counterpoint up to four parts.
- (d) A general knowledge of Beethoven's pianoforte sonatas.
- (e) The main outlines of musical history.
- (f) *Viva voce* Examination in general knowledge of music.

Before entering for the Final Examination the Candidate must either submit an exercise, or undergo a practical test at the organ or pianoforte.

A. The exercise may be either—

- (1) a vocal cantata containing a solo, an unaccompanied quartet, a five-part chorus, and a four-part fugue, with accompaniment for strings only;  
or,
- (2) a string quartet containing the usual four movements.

The exercises must be sent to the Registrar of the School of Music not later than two months before the date of the Examination. They need not be publicly performed unless the candidate desire it, and then at his own expense.

Bachelors and Doctors in Music of the University of Oxford or of Cambridge can proceed *ad eundem gradum* in the University of Dublin on payment of the necessary fees.

B. Should the candidate choose the practical test in lieu of the exercise, he must be prepared to play the following pieces [for 1920 and 1921]:—

Pianoforte: *J. S. Bach*.—Prelude and fugue in C sharp major (Book i, No. 3).

*Debussy*.—Arabesque in G major.

Or,

Organ: *Schumann*.—Fugue on B. A. C. H., No. 5.

*Harwood*.—Requiem Aeternam.

Candidates (whether they choose organ or pianoforte) will be required to transpose and also to play at sight.

The practical test will take place in Dublin immediately before the Final Examination; and successful candidates may sit for that examination at once.

## 2. *Final Examination*:—

- (a) Harmony up to five parts.
- (b) Counterpoint up to five parts, strict and free.
- (c) Double counterpoint.
- (d) Canon in two parts.
- (e) Fugal construction.
- (f) A knowledge of Bach's "*Wohltemperirtes Clavier*."
- (g) Critical and historical questions.
- (h) *Vivâ voce* principally to test the candidate's acquaintance with admitted masterpieces.

*Doctor in Music*.—A Doctor in Music must be a Mus. B. of the University of Dublin. Before sitting for the examination the Candidate must *either* submit an Exercise, *or* undergo a practical test at the organ or pianoforte.

### A. The exercise may be *either*—

- (1) A work for voices and orchestra, comprising—
  - (a) An overture or introduction,
  - (b) At least one choral movement in eight real parts,
  - (c) At least one solo with orchestra,
  - (d) Specimens of canonic and fugal writing;

*or,*
- (2) A symphony for full orchestra in the usual four movements.

Exercises must be sent to the Registrar of the School of Music not later than two months before the date of the Examination.

B. Should the Candidate choose the practical test in lieu of the exercise, he must be prepared to play the following pieces [for 1920 and 1921]:—

Pianoforte: *Beethoven*.—Sonata Appassionata.  
*Cyril Scott*.—Chimes.

*Or,*

Organ: *J. S. Bach*.—Prelude and fugue in B minor (Peters, vol. 2).  
*Harwood*.—Paean.

Candidates (whether they choose organ or pianoforte) will be required to extemporize and to read a fairly easy orchestral score.

The practical test will take place in Dublin immediately before the Final Examination, and successful Candidates may sit for that Examination at once.



The Examination will include:—

- (a) Harmony and free counterpoint up to eight parts.
- (b) Double and triple counterpoint.
- (c) Canon up to four parts.
- (d) The writing of a fugue in not more than four parts.
- (e) The instrumentation of a given passage.
- (f) Critical and historical questions.
- (g) *Vivâ voce*, principally to test the Candidate's knowledge of the works of the Great Masters.

All the several Musical Examinations are held concurrently, twice a year, on days announced in the Calendar.

<i>Fees.</i> —Fee for Matriculation, . . . .	£15
Bachelor of Music, <sup>a</sup> . . . .	10
Doctor of Music, . . . .	20

Regulations as to the payment of the Fees of £10 and £20 for Degrees in Music (adopted by the Board, Jan. 15, 1898; March 18, 1916):—

A Candidate for Mus. B. pays £2 before presenting himself for Examination; £3 before sending in his Exercise, or before his Practical Test; and £5 before presenting himself at the Commencements.

A Candidate for Mus. D. pays £5 before sending in his Exercise, or before his Practical Test; and £15 before presenting himself at the Commencements.

These fees are to be sent to the Senior Proctor.

A Candidate failing at an Examination will be admitted to the next following Examination only of the same grade without payment. If he then fail, the Examination must be commenced *de novo*.

*Admission of Candidates to Degrees "in absentia."*—A Student of the University may be allowed (although not present in the Senate) to proceed to his Degree upon the following conditions (Decree of the Board and Senate, 14 February, 1917):—

1. The academic qualification required for Degrees to be conferred *in absentia* are the same as those required for Degrees conferred in person.

2. The requirements as to fitness of character are also the same as those required for Degrees conferred in person, viz.: that before passing any Grace for a Degree *in absentia* the Board shall require such evidence as it may deem necessary to secure that no unworthy Candidate is presented to the Senate.

3. Subject to the foregoing, the Board may pass a Grace for a Degree *in absentia* (a) for any Candidate resident without the British Isles, or (b) for any Candidate resident within the British Isles if the circumstances which prevent his appearing in person are in their opinion of a sufficiently grave or exceptional nature.

*Admission "ad eundem Gradum."*—A candidate who holds an Oxford or Cambridge Degree may be admitted to the corresponding Degree in Dublin, if the Senior Lecturer and the Senior Proctor

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<sup>a</sup> If Candidate is a B. A. of the University, the fee is only £5.



are satisfied that his reasons for seeking the Degree, and his academic qualifications are sufficient; letters testimonial from the authorities of the applicant's College as to character to be sent to the Senior Proctor in every case.

The fee for the B.A. Degree *ad eundem* is £13 5s., as the Candidate must place his name on the College books. In all other cases the fee is the same as that payable by Dublin Graduates.

Candidates who have paid to the Senior Proctor the fee for a Degree *ad eundem* may present themselves for the examination for a higher Degree on payment of the regular examination fee, and before the *ad eundem* Degree has been conferred, and if the Candidate be successful, the higher and lower Degrees may be conferred at the same Commencements.

For the purpose of ascertaining the date at which a higher Degree may be taken, the Candidate is reckoned as having taken the lower Degree *ad eundem* on the date at which he obtained the corresponding Degree in his own University.

Application for the Degree of B.A. *ad eundem* must be made through the Senior Lecturer, in all other cases through the Senior Proctor. (Resolution of the Board, 23 June, 1917.)

TABULA EXPENSARUM PRO UNOQUOQUE GRADU ACADEMICO.

Baccalaureus in Artibus (B.A.),			
Nobilis, . . . . .	£5	0	0
Soc. Comm., . . . . .	3	0	0
Pens., . . . . .	2	0	0
Magister in Artibus (M.A.), . . . . .	9	16	6
Baccalaureus in Scientiis (Sc.B.), . . . . .	10	0	0
Doctor in Philosophiâ (Ph. D.), . . . . .	15	0	0
Doctor in Scientiis (Sc.D.), . . . . .	25	0	0
Doctor in Litteris (Litt.D.), . . . . .	25	0	0
Baccalaureus in Sanctâ Theologiâ (B.D.), . . . . .	13	15	0
Doctor in Sanctâ Theologiâ (D.D.), . . . . .	26	0	0
Baccalaureus in Utroque Jure (LL.B.), . . . . .	11	15	0
Doctor in Utroque Jure (LL.D.), . . . . .	22	0	0
Baccalaureus in Medicinâ (M.B.), . . . . .	11	0	0
Doctor in Medicinâ (M.D.), . . . . .	20	0	0
Baccalaureus in Chirurgiâ (B.Ch.), . . . . .	5	0	0
Magister in Chirurgiâ (M.Ch.), . . . . .	11	0	0
Baccalaureus in Arte Obstetriciâ (B.A.O.), . . . . .	1	0	0
Magister in Arte Obstetriciâ (M.A.O.), . . . . .	10	0	0
Baccalaureus in Dentariâ Scientiâ (B.Dent.Sc.), . . . . .	10	0	0
Magister in Dentariâ Scientiâ (M.Dent.Sc.), . . . . .	10	0	0
Baccalaureus in Arte Ingeniariâ (B.A.I.), . . . . .	1	0	0
Magister in Arte Ingeniariâ (M.A.I.), . . . . .	10	0	0
Baccalaureus in Agri Culturâ (Agr.B.), . . . . .	5	0	0
Baccalaureus in Agri (Forestarii) Culturâ [Agr.(Forest.)B.], . . . . .	5	0	0
Baccalaureus in Musicâ (Mus.B.), for Non-graduates, . . . . .	10	0	0
"                    "                    for Graduates, . . . . .	5	0	0
Doctor in Musicâ (Mus.D.), . . . . .	20	0	0

The Senior Proctor receives the Fees for all the above Degrees,

with the exception of those for the Degree of Bachelor of Arts, which are payable to the Junior Bursar.

*Testimoniums.*—A fee of thirty shillings must be paid on taking out the Testimoniums of the following Degrees:—Sc.D., Litt.D., M.A.O.; a fee of ten shillings on taking out the Testimoniums of M.A., B.D., D.D., LL.B., LL.D., M.A.l., Mus. B., Mus. D.; the fees for taking out the Testimoniums, of the other Degrees, namely:—B.A., Sc.B., Ph.D., M.B., M.D., B.Ch., M.Ch., B.A.O., B. Dent. Sc., M. Dent. Sc., B.A.l., Agr. B., and Agr. (Forest.) B., are included in the fees charged for the Degrees in the preceding Schedule.

N.B.—As some inconvenience may be occasioned to Graduates by unavoidable delay in the issue of Testimoniums, all Students requiring the Testimoniums of their Degrees during the Summer Vacation are requested to make application for them before the 30th of June. As a general rule, Testimoniums of Degrees will not be issued during the Vacation.

*Diplomas and Licenses.*—The conditions on which Diplomas are granted in Gynaecology and Obstetrics, Agriculture, Education, Economics and Commercial Knowledge, and Religious Knowledge for Women, and Licenses are granted in Medicine, Surgery, Obstetric Science, and Civil Engineering, will be found under the corresponding headings.

## Representation of the University in Parliament.

UNDER the Representation of the People Act, 1918, the University of Dublin returns two members to Parliament, under a system of Proportional Representation.

Every person of full age (*i.e.*, 21 in the case of a man and 30 in that of a woman) is entitled to be registered as a Parliamentary elector for the constituency of the University of Dublin, provided that he is a British subject and is not subject to any legal incapacity\* and has received a Degree (other than an Honorary Degree) at the University, or has obtained a Scholarship or Fellowship in the University, whether before or after the passing of the Act.

The University is entitled to charge a fee not exceeding £1 in respect of registration as an elector who claims as a Graduate. Forms of application may be obtained on application to the Assistant to the Registrar of University Electors.

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\* This restriction applies only to conscientious objectors and to those convicted of offences under the Defence of the Realm Act.

## Trinity College.

### ORDER OF RANK IN THE COLLEGE.

THE several orders in the College are the following:—

1. THE PROVOST or Head of the College ; who must be not less than thirty years of age.

2. FELLOWS ; who were formerly bound to enter into Priest's Orders, except five : of whom one was elected *Medicus*, by the Provost and Senior Fellows, and two others were elected *Jurista juris Civilis* and *Jurista juris Anglici*, respectively. This obligation to take Holy Orders was removed by the Act 36 Victoria, chap. 21.

3. NOBLEMEN, SONS OF NOBLEMEN, and BARONETS, who are matriculated as such under the title of *Nobilis*, *Filius Nobilis*, and *Eques*.

4. DOCTORS in the several Faculties, BACHELORS IN DIVINITY, and MASTERS IN ARTS, SURGERY, OBSTETRIC SCIENCE, CIVIL ENGINEERING, DENTAL SCIENCE, LETTERS, AND SCIENCE. Doctors and Masters have no Collegiate privileges or duties, unless their names are kept on the College Books.

5. BACHELORS IN CIVIL LAW, MEDICINE, SURGERY, OBSTETRIC SCIENCE, CIVIL ENGINEERING, DENTAL SCIENCE, AGRICULTURE, and BACHELORS IN ARTS. They are not required to keep their names on the University or on the College Books in order to entitle them to proceed to the higher Degrees. All Graduates are entitled to be registered as Parliamentary electors for the constituency of the University of Dublin. Graduates other than Doctors and Masters should apply to the Assistant Registrar.

6. FELLOW-COMMONERS, who have the privilege of dining at the Fellows' Table.

7. SCHOLARS who are on the foundation, being members of the Corporation of the College (see under Scholarship).

The number of Scholars is seventy, of whom thirty were formerly termed natives (*Hibernici*), but this distinction has been abolished by King's Letter, 8 Geo. IV.

8. PENSIONERS, namely ordinary Students in Arts.

9. SIZARS, who are Students of limited means, having their commons free of expense, and being exempted from annual fees. They were formerly nominated, one by each Fellow, and eight or more (provided the number of thirty were not exceeded) by the Provost. They are now admitted annually by an examination (see "Sizarships"), and the number is not limited to thirty.

## COLLEGE CHARGES.

I. *Undergraduate Fees*.—Before the name of any Student can be placed upon the College Books, the amount of Entrance Fees specified below must be paid to the Junior Bursar. The payment must be made within one week of the declaration of the result of the Entrance Examination. Fees not paid within the specified time are subject to the Tardy Payment charge of 3s. per week, and if not paid within six weeks of the declaration, the Entrance Docket is cancelled. In the case, however, of those who intend to present themselves at a Term Examination on the day following the days of Entrance, the payment must be made on the last day of the Entrance Examination.

The following statements contain the practice with regard to Arts Fees :

(a). For Pensioners, the Entrance and half-yearly Fees are fifteen pounds and eight guineas respectively ; for Fellow-Commoners, thirty pounds and sixteen guineas respectively, and for *Filii Nobilium*, sixty pounds and thirty-two guineas respectively. Sizars pay £1 1s. 3d. Entrance Fee, and are exempt from half-yearly Fees.

Pensioners entering after 31st December, 1920, will be charged the sum of two guineas in addition to each of the above half-yearly fees of eight guineas.

(b). Students who enter after the March quarter in any year and present themselves at the Trinity Term Examination in May, or the Trinity Lectures, or the Supplemental Hilary Term Examination in June, or the Michaelmas Term Examination in October, must pay the first half-yearly fee before presenting themselves for any Term Examination or Lectures ; and they must pay a second half-yearly Fee at the end of October

Students who enter after the March quarter, and do not present themselves for any of the above Examinations or Lectures, pay the first half-yearly Fee in the April of the succeeding year.

The names of Students who enter between the end of March Quarter and the 1st of November are not placed upon the College Books unless the payment to the Junior Bursar entitles them to be put in the existing Junior Freshman Class.

(c). A Student who goes through his Course in the regular way (*i.e.* without dropping a Class) will pay to the Junior Bursar, in addition to the Entrance Fee, eight half-yearly Fees, payable in April and October in each year ; and no Student can rise to the standing of a Candidate Bachelor until he has made the last of these half-yearly payments. Students should remember that the fee of two pounds for the conferring of the Degree must be paid to the Junior Bursar on or before the day preceding the Commencements at which they present themselves.



No Student will be allowed to be a Candidate for Moderatorship, or at the Special B. A. Degree Examination in Trinity Term, unless his Fees for the current half-year shall have been paid *before* the first day of Examination.

The half-yearly Fees become due at the end of the March and September quarters, but Students are allowed to delay the payment till the Friday before the first Saturday in May or November respectively. Fees despatched by post are counted as received on the day on which they are posted. A Student sending Fees by post should state his Class and Tutor, in addition to his own name.

Half-yearly Fees should be paid on or before the Friday which precedes the first Saturday of May or November, and any Student whose Fees are not paid on that day must pay with them the Tardy Payment charge of 3s. for that and every succeeding Friday in May or November for which the Fees remain unpaid, until the first Saturdays of June and December, on which days the names of all Students whose Fees have not been paid are struck off the books, and can only be replaced on payment of a Fee of 15s., in addition to the half-yearly Fee.

In addition to the half-yearly Fees, some Students incur Incidental Expenses, due as Rent of Chambers, Commons, Punishments, and so forth, and these must be paid to the Junior Bursar, at the end of each quarter.

Sizars, whose incidental expenses are not paid within a fortnight from the date on which their accounts are furnished, are forthwith struck off the Books, and their Sizarships vacated.

(d). Students who drop a year, whether from inability to keep the requisite Terms, or from any other cause, should always consult their Tutors before paying the half-yearly Fees then due, or next to become due; and when so doing, they should state whether they belong to, attend, or purpose to join, any of the Professional Schools.

(e). A Student whose name has gone off the books can always replace in any Class in which the Terms he has kept entitle him to be placed, provided he pays the replacement Fee of 15s., and that the half-yearly payment or payments which he makes on replacement, taken with those which he has previously made, include all those paid in regular course by the Students in the Class which he joins on replacing, viz. one half-yearly Fee in the April and one in the October of each Freshman and Sophister year for which he claims credit. But it is especially to be observed that if, in the April or October of any year, a Student who is not allowed by the Senior Lecturer to keep his Class, should nevertheless pay the half-yearly Fee then due, *such payment does not count as a payment for the April or October of the Class from which he is put down*, but as a repetition of the payment previously made by him as a member of the Class to which he is put down, and such payments are not taken account of in determining the amount to be paid on replacement.

In determining the time for which the name of a Student who replaces remains on the Books without further payment, the half-yearly Fee paid on replacement is considered as having been paid at the date on which it became due by the members of the Class which the Student joins. Thus a payment made after March 21st will keep the Student's name on the Books till the first Saturday in December, unless it counts as a payment made in the previous half year, in which case the name goes off on the first Saturday in June.

Graduate members of the Army Class are allowed to continue their attendance on the Army Lectures in the month of June, without payment of the current half-year's fees. (Order of the Board, May 20, 1905.)

*Replacement.*—A Replacement Fee of fifteen shillings must *always* be paid to the Junior Bursar for the replacement of the name of any Student which has been removed from the Books.

In addition, the full amount of the College Fees must be paid, see (e) above, except in the following cases:—

1. Replacement for the purpose of getting Degrees conferred.

2. Graduates of the University are allowed to go in for the Final Examination of the Divinity School, and Students who have passed the B.A. Examination are allowed to go in for the Final Examination of the Engineering School, on payment of a *Liceat ad Examinandum* Fee of one guinea. The names of Students so replaced are removed from the Books immediately after the Examination. (Orders of the Board May 2, and June 23, 1885.)

3. Graduates of the University are permitted to replace their names on the Books, during the first year from taking the Degree of B.A., without payment of the College Fees, for the purpose of competing for any Prizes which are open to Students in their Bachelor years. The names of any Students so replaced are removed from the Books immediately after the Examination. (Order of the Board, June 19, 1897.)

During the second and third year to M.A. standing, they must pay a full half-year's fees. (Order of the Board, Nov. 5, 1904.)

In the case of all Prize Examinations at which, under existing Rules, Students presenting themselves for Examination are required to have their names on the College Books, the list of Prizes awarded shall be certified by the Junior Bursar before being laid before the Board for confirmation.

4. See Divinity School, § VI., for rules with regard to Theological Exhibitions.

When a Student's name is put on the College Books in virtue of Terms kept in another University, the fee of fifteen shillings is charged, but as a Registration Fee, not as a Replacement Fee.

II. *Charges for Doctors in the several Faculties, Masters, and Members of the Senate.*—Resident Doctors and Masters pay the sum of £4 half-yearly. The regulations for payment are the same as those already given under the head of Undergraduates.

The Fees payable by Members of the Senate are regulated by the following Decrees of the Board (Jan. 22, 1859; Jan. 31, 1872; June 12, 1875; Jan. 12, 1884; June 28, 1890; Feb. 24, 1903):—

WHEREAS, by the Royal Letters Patent bearing date the 24th day of July, in the twenty-first year of the reign of Her most Gracious Majesty Queen Victoria, it is amongst other things enacted, that the Senate of the University of Dublin shall, as heretofore, consist of the Chancellor, or, in his absence, the Vice-Chancellor, or Pro-Vice-Chancellor for the time being, and of such Doctors and Masters of Arts of the University as shall have and keep their names on the Books of Trinity College, in accordance with such regulations and conditions as the Provost and Senior Fellows of the said College shall enact:

We, therefore, the Provost and Senior Fellows, in pursuance of the powers vested in us, do hereby enact and DECREE:

1. That no change shall be made in the Fees heretofore payable by Doctors and Masters holding Rooms in the College, or in attendance on Collegiate or Professional Lectures, or presenting themselves at Examinations.

2. That all Doctors or Masters of Arts, whose names are now on the College Books (*i. e.* on January 31, 1872), and who are not resident nor in attendance on Lectures, as aforesaid, shall be permitted to retain their names on the Books of the College as Members of the Senate, without further payment.

3. That all Doctors or Masters of Arts (except as hereafter provided), whose names are not on the College Books, shall be required to pay, on replacing their names, the accustomed charge of £4 15s. for the half-year in which such replacement is made; after which their names shall be retained on the College Books as Members of the Senate, without further payment.

4. That the names of all Doctors and Masters of Arts, who have been University Students, or First Senior Moderators who have obtained a large Gold Medal, or Senior Moderators who have obtained two Gold Medals, shall be replaced and retained on the College Books as Members of the Senate, without charge.

5. That Ex-Fellows of the College, according to ancient privilege, shall be permitted to retain their names on the College Books without any charge.

6. That the Members for the University in Parliament, and ex-Members, shall be permitted to retain their names on the College Books free of all charge.

*Fees for Lectures or Laboratory Instruction.*—Where a fee is chargeable for attendance on a course of Arts Lectures or of Laboratory Instruction, it must be paid to the Junior Bursar not later than three days after the day fixed for the commencement of Arts Lectures or of attendance at the Laboratory, and the receipt must be produced to the Professor or Lecturer. If not paid within that time, a tardy payment fine of 3s. will be imposed. No Student is permitted to attend such a course if his fee has not been paid within six days from the commencement of Lectures or of his attendance at the Laboratory. Professors and Lecturers are directed to enforce this rule.



## RESIDENCE, AND DUTIES OF RESIDENT STUDENTS.

RESIDENCE, as a part of Academic discipline, is not enforced in the University of Dublin, but residence either in the city or in the College is indirectly necessary.

*Rooms.*—Chambers in the College are granted by the Provost on application from the Tutor of the Student who proposes to reside. On obtaining Rooms, a sum of money is deposited with the Registrar of Chambers, which is intended as security against any injury that they may sustain, and is returned on vacating the Rooms, if all claims of the College be first satisfied. The deposit for Rooms varies from £8 to £30 ; and the annual rent varies from £4 to £18. Most of these Chambers are intended to accommodate two Students, in which case each Student in occupation pays only half rent and half deposit. If, however, a Student, from any cause, should be the sole occupant of such Rooms, he is always liable for the entire rent during whatever time the sole occupation continues.

A list of the Chambers vacant within the College is hung up at the Chief Steward's lodge, near the Gate. Students can see the different sets of vacant Chambers on application to the Clerk of the Works, and when they have decided which sets they prefer, they should communicate with their Tutors, giving a list containing the particulars of two or three sets of Chambers, in the order in which they prefer them, so that in case the Rooms first applied for are granted to other Students, the Tutors can apply for the other Rooms. An application for a double set of Chambers must be made on behalf of two Students jointly. If the Rooms applied for be granted, the deposit must be paid to the Registrar of Chambers within a fortnight, or else the right to the Rooms lapses. The deposit is returned when the Rooms are vacated and the keys given up to the Chief Steward.

No Student is allowed to reside in Chambers registered in the name of another, without a written permission from the Provost, stating the period during which such temporary occupation may continue. The Chambers of any Student who allows another person to occupy them, either wholly or in part, without such permission, are immediately declared vacant.

The following Regulations concerning the occupation of Chambers have been made by the Board (June, 1877 ; March 16, 1878 ; January 20, 1883 ; June 23, 1885 ; July 1, 1886 ; May 21, 1904 ; and June 16, 1920) :—

1. The Chambers of Resident Students, except Scholars, and Students attending Lectures in one of the Professional Schools, are to be vacated at the close of the Quarter in which they shall be of standing to be admitted to the B.A. Degree.

2. Students attending Lectures in the Professional Schools shall be permitted to retain their Chambers till the expiration of the Trinity Term of the Junior Bachelor year, but not longer, without special permission from the Board.

3. The Chambers of Ex-Scholars and Ex-Sizars shall be vacated at the close of the September Quarter next after the expiration of their Scholarships and Sizarships.

4. No Student who shall have passed the standing of Candidate Bachelor shall be admissible as a Candidate for Rooms, or for a re-grant of Rooms vacated under the provisions of the aforesaid Regulations, unless he has previously obtained the consent of the Board.

5. Graduate Students above the standing of Junior Bachelor, who may obtain permission to occupy Rooms, shall pay a higher rent than that paid by ordinary Undergraduate Students.

6. After each Term a return shall be made to the Board of the Students holding Chambers in College who have not attended Lectures, and the Chambers of those Students who have failed to attend during two Terms in the year shall be forfeited unless their Tutors shall satisfy the Board that there have been reasonable grounds for such failure.

7. The Rooms of all Students whose quarterly accounts are not paid within a fortnight of the date on which they are furnished by the Registrar of Chambers shall be declared vacant.

8. The Registrar of Chambers is empowered to charge Students, who may change their rooms, and neglect to give the keys of their vacated Rooms to the Clerk of the Works, the rents of both Rooms until the deposit be transferred.

9. The Registrar of Chambers is authorized (in case Students fail to give up their Rooms in time) to charge the occupier rent as if his name were on the Books, provided that the sum charged do not exceed the deposit.

10. The Provost is permitted, if he think fit, to grant Rooms to Students who have entered College at the Midsummer Entrance or at the October Entrance, and who have paid the Entrance Fee of £15, even though their names be not on the College Books in the existing Junior Freshman Class.

11. Graduates may, in certain cases, be allowed to dine on Commons, and occupy Rooms, on payment of a half-yearly Fee of £4 4s. Applications for this privilege are to be decided by the Provost, and subject to revision each half year.

*Attendance on Divine Service.*—All Students who are members of the Church of Ireland or England, and who reside within a distance of one mile and one-half from the College, are required to attend Divine Service in the College Chapel on Sunday morning. The Junior Dean is directed to bring the names of such Students as are negligent in their attendance under the notice of the Provost or Senior Dean. Students resident within the College, who neglect to comply with the regulation on this point, are liable to be deprived of their Rooms.

The hours of Divine Service in the College Chapel are the following:—On Sundays, Morning Prayer is read at 10 a.m., and Evening Prayer at 7 o'clock. On week-days, Morning Prayer is read at 8.30 a.m., and Evening Prayer at 7.15 o'clock. The Order for Morning and Evening Prayer is shortened in the Chapel on week-days, by the omission of certain prescribed portions. On Sundays all Students must wear surplices, with the hoods belonging to their Degrees, if they be Graduates.



The Holy Communion is administered on days fixed by the Provost.

After Morning Prayer on Sundays, a Sermon is delivered by one of the Professors of Divinity or one of the University Preachers for the year.

Students in residence who are members of the Presbyterian Church in Ireland, are required to lodge with the Junior Dean a certificate of attendance upon one of the Presbyterian Churches of the city signed by the Minister of that Church. (Resolutions of Board and Council, May 15 and 19, 1886.)

*Corrections.*—At half-past ten o'clock on Saturday mornings, the Junior Dean attends in the Hall, and reads out the names of all Students who have been punished for neglect of duties or other offences during the week. It is the interest of those who can excuse themselves to be present; and if their excuses are admitted by the Dean, the fines are taken off.

*Commons of Resident Students.*—All Students resident in College, unless specially excused by the Provost, must dine in the Commons Hall, except during the summer vacation. They must take care to put their name on Commons by application to the Clerk of the Buttery, as soon as they come into residence.

The Rules now in force with regard to Commons are as follows (Orders of the Board, April 28, 1877; July 8, 1878; March 20, 1886; March 26, 1887; July 5, 1890, and Nov. 22, 1890):—

1. That all Fellow-Commoners and Pensioners under the standing of M.A., and holding Chambers in the College, be uniformly charged, in addition to the Chamber-rent now paid to the Registrar of Chambers, a certain specific sum per week for certain portions of the year; and that the sums thus accruing be considered as contributions to a *Commons Fund*.

2. That these charges be, for each Fellow-Commoner, seven shillings and six pence per week, and for each Pensioner five shillings; said charges to be levied for the weeks in each Term in which Undergraduate Lectures shall be given, or for so many of those weeks in any Term as the Student holds Chambers without actually giving up the keys of the same to the person entitled to receive them.

3. That these charges be made by the Clerk of the Buttery Books, from the Quarterly Chamber-rent list furnished by the Registrar of Chambers, against all persons liable to the same; and be introduced in the half-yearly accounts payable to the Junior Bursar, among the incidentals of the past half-year under the name of *Commons Fund*. All persons, however, to whom Chambers may be granted within any of the periods above specified, are not to be considered liable to these charges until the ensuing Term.

4. That the weekly sums thus charged be allowed in the regular Commons Charge to each Student, and the remainder, or variable part of the Commons Charge, be payable to the Clerk of the Buttery Books.

5. Students residing habitually at a distance from Dublin, and coming to Dublin to attend the Examinations of their Class, are allowed to put their names on Commons on the days on which these Examinations are held.

6. The Junior Dean shall be required to impose a fine of 5s. a week upon all Students, actually resident in College whose names shall not be on Commons at all times except during the long Vacation; it being understood that the 5s. a week Commons Fund shall be considered an equivalent to this fine during the week in which Commons Fund is imposed.

7. No Student's name shall be placed on the Commons List without previous payment to the Clerk of the Buttery of the amount due for the period during which his name is placed on Commons. This rule is to apply in the case of sons of Fellows and Professors.

Regulations with reference to Commons. By order of the Bursar, Jan. 30, 1904—

*Long Commons.*—During the period known as “Long Commons,” a Student may put his name on Commons on any day of the week, and will be charged at the rate of 1s. 8d. per day for the remaining portion of the week.

For the remaining weeks of “Long Commons,” his name must be on Commons, and he must pay accordingly.

All Students are expected to dine on Commons every day; but those who wish to dine with their friends on Sunday shall pay 10s. for the week instead of 11s. 8d. If the Student has the permission of the Junior Dean, in exceptional cases, to dine with his friends on Saturday as well as Sunday, he shall pay 8s. 4d. instead of 11s. 8d.

*Short Commons.*—During the period known as “Short Commons” (i. e. the six or seven weeks of lecture term), a Student joining Commons on Monday will pay 5s. If he joins on Tuesday he shall pay 4s., and if afterwards according to rule.

If a Student desires to dine with his friends on Sunday during Short Commons, he shall pay 6s. for the week instead of 6s. 8d. If he has the permission of the Junior Dean to dine out with his friends for Saturday as well as Sunday, he shall pay 5s. for the week instead of 6s. 8d.

NOTE.—In cases where a Student wishes to leave College, for reasons which the Junior Dean considers sufficient, such Student will be allowed to keep his name on Commons for 1s. a day during Short Commons, and 1s. 8d. a day during Long Commons up to the day on which he leaves.

Ten Scholars, or other Students, who are called *Waiters*, are annually appointed to say Grace before and after meat in the Commons Hall.

The Grace must be repeated *memoriter*, and in Latin, in a form prescribed by the Statutes of the College. (*Stat. Coll. cap. xvi.*)

*Night-Roll.*—All Students resident in the College, below the standing of B.A., must attend night-roll, which is called at nine o'clock. After night-roll no Student is permitted to pass out of College without a written order.

Exemption from attendance at night-roll may be granted on the ground of diligence and seniority. The extent of this indulgence is decided by the Junior Dean, subject to the approval of

the Provost and the Senior Dean. Those who wish to remain out of College after twelve o'clock must previously obtain special permission.

*Houses of Residence for Students.*—The Board of Trinity College have decided to make it compulsory for all Students to reside in certain houses, in which the Board can be assured of their proper accommodation. In order to ascertain the suitability of these houses, the Board have appointed a House of Residence Committee to inspect and select houses which are suitable. The following are the members of the Committee:—the Senior Dean; the Junior Dean; Robert Russell, M.A.; W. Kennedy, M.A.; Rev. R. M. Gwynn, M.A.; J. Joly, SC.D.; A. Francis Dixon, SC.D.; H. H. Dixon, SC.D.; Walter C. Stevenson, M.D., *Hon. Sec.*

Any householder in or near Dublin may apply to any member of this Committee to have his (or her) name placed on the books of the Committee as willing to afford accommodation for students. These books will be accessible to students seeking lodgings.

Every house, before being entered on the Committee's books, must have been inspected by the Sanitary Inspector, and passed by the House of Residence Committee. The householder must also satisfy the Committee as to the general suitability of the house for Students by giving suitable references in writing. These references may be addressed to any member of the Committee. Householders are not charged any fee for having their names entered on the Committee's books, but will be required to furnish an account of the accommodation they can supply, and their terms. It will be in the discretion of the Committee to remove from their books the address of any house of residence at any time.

In order to retain their names on the books, householders must comply with the following rules:—

1. To forward to the Hon. Secretary of the House of Residence Committee on November 20th, February 20th, and May 20th of each year, a list of the Trinity College Students who are at the time in their houses, or who have resided there since the last return was sent in.

2. To inform the Hon. Secretary in the months of September and December, and at Easter, what accommodation they can offer for Students. In absence of this notification it will be assumed that the house is fully occupied.

3. To notify immediately the Hon. Secretary of any case of serious illness occurring in the house.

4. To give facility to members of the Committee for inspecting the house, and to produce a recent sanitary certificate of the house if required.

Walter C. Stevenson, M.D., was appointed Sanitary Inspector for three years, on Nov. 28, 1908, and was re-appointed in 1912, on condition of his undertaking the duty of inspecting the residences of the College skips.



## Course in Arts.

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### ENTRANCE.

1. THE mode of admission into this University is by passing an Examination.

The Senior Lecturer is authorized to allow a Graduate in Arts of any University chartered under the Crown to have his name placed on the College Books, on payment of the Entrance Fee, without passing the Matriculation Examination.

Candidates who have passed in the Senior Grade Examination held under the Board of Intermediate Education, Ireland, are qualified for Entrance in Trinity College on passing a further Examination in those subjects, if any, of the Trinity College Entrance Examination which are not included in those in which they have passed at the Intermediate Examination.

All persons desirous of becoming Members of the College and of the University must, at their Entrance, place themselves under one of the Tutor Fellows who receive Pupils. The Collegiate interest of Pupils are under the guardianship of their Tutors, and to them all applications for information, whether before or after Entrance, should be made. Applications to the Board or to the Senior Lecturer must come from students not directly, but through their respective Tutors. Students may enter as Fellow-Commoners or Pensioners. But a Nobleman, the son of a Nobleman, or a Baronet, may enter as *Nobilis, Filius Nobilis*, or *Eques*. Students of limited means may compete for Sizarships, and, if successful, may enter as Sizars. Students entering after March 21, and at or before the Autumn Entrance in October, are permitted to join the Junior Freshman Class which was formed in the previous November, on payment of the half-year's fees due by members of that class, in addition to the Entrance Fee (see under 'College Charges').

There are five Matriculation or Entrance Examinations in the year, each lasting for two days. Of these, the Midsummer Entrance in Trinity Term, and the Autumn Entrance at the commencement of Michaelmas Term, are known as the Principal Entrance Examinations. At all Entrance Examinations candidates who obtain 65 per cent. and upwards are given High Places. Candidates who are given High Places are arranged in order of merit, and their names, together with those of the Schools from which they present themselves, are published at the conclusion of the Examination. The Senior Lecturer is authorized to issue Special Certificates to those who are so selected.

The two Principal Entrances and two of the other Entrance Examinations are held on the days immediately previous to the four Examinations of the Junior Freshman Class (including the Supplemental Hilary Examination in June), so as to enable students from a distance to pass a Term Examination as well as the Entrance without unnecessary loss of time. The fifth Entrance is held immediately before the Michaelmas Lectures begin. The dates of these Examinations may be found in the Almanac, and are also given under the heading 'Days of Examination.' In addition, the Senior Lecturer grants a Special Examination to such Students as are unable to present themselves at the regular Examinations, on reasonable grounds being given.

Candidates who have passed a Public Entrance Examination to the satisfaction of the Senior Lecturer are given a Large Entrance Certificate; all other candidates, who are allowed to proceed with their course, are given a Small Certificate, which cannot be used as evidence that they have passed the Public Entrance Examination of Trinity College; but such candidates will be given the Large Certificate as soon as they shall have passed a Term Examination.

The Entrance Examinations commence at 9.30 a.m.

## 2. Course for Principal and Ordinary Entrances.

English Composition; Arithmetic; Algebra (the first Four Rules, Fractions, and Simple Equations); Geometry, see below; English History; Modern Geography; Latin with Latin Composition; and any one of the following Languages:—Greek; French, About, Sans Dot, Les Parents de Bernard (Educational Co. of Ireland); German, Gerstäcker, Germelshausen (Rivington); Italian, Grillo, La Dolce Favella (Hirschfeld, London), pp. 28–209; Spanish, Carter and Molloy, Cuentos Castellanos (Harrap), omitting the last story; Russian. (For the Entrance Course in Russian, candidates are to apply to the Senior Lecturer.) In Greek and in Latin students may select any two Greek and any two Latin authors. (Two books by the same author will not be accepted in lieu of two distinct authors.) The quantity of each author to be presented for examination must be not less than the equivalent of two Books of Virgil, or Xenophon, or of a Greek play. Candidates will be examined *vis à voce* in the translation, grammar, and subject-matter of the works which they submit. The Examination in French and German will be partly *vis à voce* in the prescribed books, and partly by papers, containing passages (unprescribed) for translation from these Languages, and passages for translation from English into the same.

The Course in Geometry<sup>a</sup> is that covered by Euclid, Books i., ii., iii., and Book iv., Props. 1, 2, 3, 4, and 5, with some additional Elementary Practical Constructions, and also some Elementary *loci*. Geometrical Methods other than those followed by Euclid will be accepted, such as regarding tangents as limiting positions of chords, &c. Some questions will be set on practical constructions, so that candidates will have to provide themselves with a ruler, set square, protractor, and pencil compasses. (A syllabus giving more detailed information on the Course in Geometry may be obtained on application.)

<sup>a</sup> In learning Geometry any of the following books may be used instead of Euclid's Elements:—Baker and Bourne, Godfrey and Siddons, Hall and Stevens, Purser.



### 3. Prizes obtainable in connexion with Entrance.

1st. About ten Sizarships annually in Mathematics, Classics, Experimental Science, Modern Languages, Hebrew, and Irish. The regulations respecting the Course, Privileges, &c., are given below.

2nd. Sixteen Junior Exhibitions, twelve of £20 and four of £15 a year, tenable for two years. See under 'Junior Exhibitions.'

3rd. Extra Exhibitions or Prizes may also be granted by the Board to deserving Candidates on the results of the Examinations for Junior Exhibitions and Sizarships.

4th. The Kidd Scholarship, value about £80 per annum, tenable for four years. The Examination for this Scholarship is held each fourth year, unless vacancies should occur oftener. See under 'Kidd Scholarship.' An Examination will be held in 1921.

5th. The Charles Wilkins Memorial Prize in Mathematics for Women. See under that heading.

6th. Twenty-six Entrance Prizes, namely, a First Prize of £5 and a Second Prize of £2 in each of the following subjects (provided sufficient merit be shown by the Candidates):—

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|--|---------------------------|
| 1. Greek Verse.                          | 7. French.                |
| 2. Latin Verse.                          | 8. German.                |
| 3. Greek Prose.                          | 9. Hebrew. <sup>a</sup>   |
| 4. Latin Prose.                          | 10. Experimental Science. |
| 5. English Literature and Composition.   | 11. Natural Science.      |
| 6. English History and Modern Geography. | 12. Modern Irish.         |
|  | 13. Scripture.            |

A Student may compete for one or more of these Prizes. The names of the successful Candidates, and the Schools from which they present themselves, are published at the conclusion of the Examinations.

These Examinations are held early in Michaelmas Term, and are open to all Students who have not completed their nineteenth year before the 1st of June immediately preceding the Examination, and who are commencing the Junior Freshman Year, i.e., to those Students who have entered since March 21st, and have not paid any half-yearly fee. They commence at 10 a.m.

The following Courses have been appointed:—

#### *English Literature.*

Pancoast, Introduction to English Literature, Part ii., chapters 4 and 5; Part iii., chapter 2, and Part iv., chap. i.

Shakspeare, Merchant of Venice, Richard III., Macbeth.

<sup>a</sup> Hebrew Sizar's are not eligible for this Prize, except in the absence of other deserving Candidates.

*English Literature.—continued.*

Milton, Comus and Paradise Lost, books iii. and iv.

Macaulay, Essays on Addison, on Boswell's Life of Johnson, and on Moore's Life of Byron.

Trench, English Past and Present.

*English History and Modern Geography.*

Gardiner, Student's History of England.	}	130 marks.
Seeley, The Expansion of England.		
Trevelyan, England under the Stuarts.		
Gregory, Structural, Physical, and Comparative Geography,	}	70 marks.
. . . . .		

(Students are recommended to use Gardiner's Atlas of English History.)

*French.*

Balzac, Pierrette. (Oxford University Press.)

Sand, François le Champi (Oxford Higher French Series).

Hugo, Hernani (Oxford Higher French Series).

*German.*

Schiller, Maria Stewart.

Goethe, Egmont.

Kurz, Die Humanisten (Macmillan).

The merits of the Candidates in French and German will be tested by conversation, translation, composition, and questions in Grammar and Literary History.

*Hebrew.*

Grammar (including written exercises on the paradigms of nouns and verbs) and the first eight Psalms.

*Modern Irish.*

Modern Irish Grammar and Composition.

An Craop-Deamán.

A passage of Irish for translation at sight.

F. W. O'Connell, Selections from Keating's "Three Shafts of Death."

*Experimental Science.*

The Course appointed in *Experimental Science* consists of two sub-courses, *Experimental Physics* and *Chemistry*, which are as follows :—

*Experimental Physics*—Measurement of length, area, volume, mass, and weight ; density, time, velocity, acceleration, and pressure.

Simpler phenomena of Heat, Light, Sound, Magnetism, and Electricity.

There will be a Practical as well as a Written Examination.

*Chemistry*—Physical and Chemical changes of matter—how distinguished. Elements and compounds. Law of definite proportions—Equivalents.

*Water*—its chief physical and chemical properties—its ultimate composition—Analysis—Electrolysis—Chief properties of hydrogen and oxygen. Synthesis of water. Laws of gaseous combination. Elementary ideas relating to molecules and atoms. Avogadro's law. Water as a solvent—Natural waters. Peroxide of hydrogen. Valence—law of multiple proportions.

*Atmospheric Air*—the principal substances contained in it—how they are recognized—their condition in air. Relations of air to processes of combustion and animal respiration. Nitrogen—its chief compounds with oxygen and hydrogen. Acids, alkalies, salts—their general characters.

*Carbon*—its forms. Allotropism. The two oxides of carbon—their chief physical and chemical properties and relations. The hydrides of carbon, marsh gas and olefiant gas. Coal gas and the nature of flame.

Deductions of formulæ and solutions of simple chemical problems.

At the *Practical part* of the examination, candidates will be expected to recognise one or more of the elements or compounds named above, or to prepare any of them. They may also be asked to perform simple quantitative operations illustrating general principles, such as—the action of heat on a metallic salt, the displacement of one metal by another from solution, or the measurement by the volume of a gas evolved.

NOTE.—Systematic qualitative analysis is not required at this stage.

The course appointed in *Natural Science* consists of three sub-courses, *Zoology*, *Botany*, and *Geology*, which are as follows :—

*Zoology*—External morphology of Earthworm ; Insect ; Frog.  
Life History of Butterfly or Moth ; Frog.

Thomson's Outlines of Zoology may be consulted.

*Botany*—Stenhouse's Introduction to Nature Study, Part i.

*Geology*—Huxley's Physiography.

*Scripture.*

First ten chapters of Genesis.

I and II Samuel.

Isaiah, Chapters xl. to end.

St. Luke's Gospel.

Acts of the Apostles.

Epistle to the Galatians.

The Examiners are—

For Greek and Latin Verse and Prose:—The Regius Professor of Greek and the Professor of Latin.

For English History and Modern Geography:—The Professor of Modern History and one Examiner appointed by the Board.

For English Literature and Composition:—The Professor of English Literature and one Examiner appointed by the Board.

For French:—The Professor of the Romance Languages and one Examiner appointed by the Board.

For German:—The Professor of German and one Examiner appointed by the Board.

For Hebrew:—The Professor of Hebrew and one Examiner appointed by the Board.

For Experimental Science:—The Professor of Natural and Experimental Philosophy and the Professor of Chemistry.

For Natural Science:—The Professors of Botany, of Geology and Mineralogy, and of Zoology and Comparative Anatomy.

For Modern Irish:—The Professor of Irish and one Examiner appointed by the Board.

For Scripture:—Rev. R. M. Gwynn, B.D.

4.

SIZARSHIPS.

SIZARS are Students of limited means, who have their commons free of expense, and are exempted from annual fees. Women Students who obtain Sizarships are allowed £12 a year in lieu of commons. The Entrance fee for Sizars is £1 1s. 3d.

The poverty of the Candidates is one of the qualifications to be inquired into before they are admitted Sizars. Candidates for Sizarship are required to send in to the Senior Lecturer, on or before the 1st day of June in each year, a statement proving that they are persons of limited means and entitled to compete for admission on the ground of poverty; and only those persons who appear to the Senior Lecturer to be qualified are permitted to compete. In case of failure to comply with this rule, the merits of the case are to be considered by the Senior Lecturer.

No candidates are admitted to the Sizarship Examination who (1) are already Matriculated Students of the University; or



(2) are Graduates of any Chartered University; or (3) are over nineteen on the 1st of June of the year in which they compete.

The Board may, if they think fit, award, independently of the Sizarship Examination, not more than one Sizarship in Mathematics and one in Classics to such members of the Junior Freshman Class as they may consider to have especially distinguished themselves since their matriculation, and to be otherwise suitable to be awarded a Sizarship. In this case no limit of age is imposed.

The Board offer Sizarships in Experimental Science, to be competed for by such candidates as can produce definite evidence that they have already received Laboratory instruction.

Students who enter College as Sizars are permitted to hold their Sizarships for four years. In the event of persons who are already students of the College being admitted as Sizars, the duration of their Sizarships shall not exceed four years from the Sizarship Examination next succeeding their entrance into College. Sizars who fail to keep their class, or who drop a class without the express permission of the Board, *ipso facto*, vacate their Sizarships.

The Examination for Sizarships is held annually at the end of Trinity Term, and is marked in the Almanac for the year. The Examination commences at 9.30.

*Sizarships in Mathematics, Classics, Experimental Science, Modern Languages, Hebrew, and Irish.*—The Sizarship Examination lasts for two days, and 400 marks are assigned at it. The first day, and the morning of the second day, are devoted to the special subject, Mathematics, Classics, Experimental Science, Modern Languages, Hebrew, or Irish, and 300 marks assigned to it. The last afternoon is devoted (1) to an English Essay (counting 50 marks), for which all candidates, whether in Mathematics, Classics, Experimental Science, Modern Languages, Hebrew, or Irish, must compete; (2) for the candidates in Mathematics and Experimental Science, to an easy paper in Latin Composition and a *vivâ voce* Examination in a Latin and a Greek author of his own selection, it being permissible for candidates to substitute French or German for Greek; and (3) for the candidates in Classics, Modern Languages, Hebrew, and Irish, to a paper in Arithmetic and Algebra, and a *vivâ voce* Examination in Geometry (as in the Entrance Course); and this portion of the Examination will, in each case, count 50 marks. Candidates in Modern Languages must also pass a qualifying Examination in Latin, and candidates in Irish a qualifying Examination in Latin and in Greek, or French, or German, as arranged for the Entrance Course.

#### *Classics.*

First Morning.—Translation from Greek authors (unprescribed), 70 marks.

First Evening.—Translation from Latin authors (unprescribed), 70 marks.



During the first day the candidates are examined *vivâ voce* in one Greek and one Latin author, as prescribed below. The mark assigned to this *vivâ voce* Examination is 40. The prescribed authors are—

Any *three* books of Homer, or any *one* book of Thucydides.

Any *one* book of Livy, or any *one* of the following portions of Horace :—(a) Odes, (b) Satires, (c) Epistles, including the *Ars Poetica*.

[Candidates must send to the Senior Lecturer, at least a month before the Examination, notice of the portions of these authors in which they intend to present themselves.]

Second Morning.—Greek Prose Composition, 40 marks.

Latin Prose Composition, 40 marks.

Ancient History (*vivâ voce* in a class),  
40 marks.

[Candidates are expected to know the principal facts in Greek History, and the Outlines of Greek Literature and Art, from the earliest times to 323 B.C. ; and the principal facts in Roman History, and the Outlines of Roman Literature, from the earliest times to 37 A.D.]

A paper in Greek and Latin Verse Composition is set as a voluntary exercise on the third morning. It counts 40 marks ; but no credit is given unless positive merit is shown.

### *Mathematics.*

*Geometry.*—Deductions from Euclid.

Geometrical treatment of the general focal properties of conics with particular application to the ellipse and parabola.

The Methods of Coordinates, Graphs, Analytical Geometry of the Right Line, and of the circle in rectangular Cartesian coordinates.

*Algebra.*—Arithmetical and Geometrical Progression—Scales of Notation—Surds and Imaginary Quantities—Quadratic Equations and Simultaneous Equations of the second Degree—Permutations and Combinations—Binomial Theorem—Logarithms—Exponential and Logarithmic Series—Partial Fractions—Continued Fractions—Algebraic Series.

N.B.—Hall and Knight's Higher Algebra, chaps. i.—xvii. (inclusive), xxiii., xxiv., xxv., xxix., is recommended.

*Theory of Equations.*—Relation between the Roots and Coefficients of Equations—Elementary Symmetric Functions of the Roots—Transformation of Equations—Horner's Method of Solving Numerical Equations.

*Trigonometry.*—To the end of the Solution of Plane Triangles—De Moivre's Theorem—Exponential Forms of Trigonometric Functions—Trigonometric Series.

*Elementary Mechanics.*—Laws of motion ; composition and resolution of velocities, accelerations, and forces ; equilibrium under coplanar forces ; polygon of forces ; simple applications of graphic methods ; simple machines ; work and energy.

### *Experimental Science.*

*Elementary Mathematics.*—A Paper will be set in Elementary Mathematics. Such a knowledge of Mathematics will be expected as is required for a proper study of the Course in Experimental Science. Simple questions may be set in Mechanics, Hydrostatics, and Geometrical Optics. Candidates will be expected to be familiar with the use of *squared* paper, and to know how to plot their results on it.

*Experimental Physics.*—Measurement of length, area, volume, mass, and weight; density, time, velocity, acceleration, and pressure—Simpler phenomena of Heat, Light, and Sound.

There will be a Practical Examination as well as a Written Examination.

*Chemistry.*—General properties of substances—Mixtures and solutions—Processes employed in the Laboratory, such as evaporation, distillation, solution, crystallization, filtration—Effect of heat on solubility of solids and gases in water—Oxidation of elementary substances by heating in air or oxygen, and by other methods—Properties of oxygen and nitrogen—Atmospheric air, its composition and properties—Preparation and properties of the commoner acids and alkalies—Calcium carbonate, carbon dioxide, lime—Action of acids on metals—Hydrogen—Water—Chemical elements and compounds—Distinction between metals and non-metals, and between chemical compounds and mechanical mixtures—Volume of gas evolved by action of various acids on metals—Effect of temperature and pressure on the volume of a gas—Density of a gas—Calculation of the weight of a gas from its volume and density—Indestructibility of matter—Law of definite proportions—Law of equivalent weights.

There will be a Practical as well as a Written Examination.

### *Modern Languages.*

One Sizarship is offered each year in Modern Languages, French and German.

The Examination will consist of passages (unprescribed) for translation from French and German, and of passages for Composition in both languages. The candidates will also be examined *vivâ voce* in the following authors:—

	{ C. Delavigne: Louis XI. (ed. Eve).
<i>French, . . .</i>	{ Michelet: Louis XI. et Charles le Téméraire (ed. Ropes).

<i>German, . . .</i>	Freytag: Der Staat Friedrichs des Grossen (Cambridge).
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*Sizarships in Hebrew.*

To encourage the study of Hebrew, one Sizarship is usually given annually. The special Course will consist of the Latin Prose Composition and the *vivâ voce* portion of the Examination for Classical Sizarships, together with the following Course of Hebrew:—

Hebrew Grammar.

Exodus, Chaps. i.—xi. (inclusive).

Psalms, i.—xxiv. (inclusive).

In determining the election to the Hebrew Sizarship, equal weight is allowed to the answering in Classics and in Hebrew.

No Student is elected to a Sizarship for answering in Hebrew unless the Examiners report him to the Senior Lecturer as having positive merit of a high order.

*Sizarships in Irish.*

For the encouragement of the study of Irish, one Sizarship is usually given annually. The special Course will be as follows:—

- (a) A thorough knowledge of Irish Grammar is required.
- (b) Passages are set for Translation at sight from Irish into English, and from English into Irish.
- (c) Candidates are examined *vivâ voce* in these books:—

*Finn-sgéulta na h-Araibe.*

*Poems of Donnchadh Ruadh Mac Conmara* (ed. Flannery).

No Sizarship is awarded to any Candidate unless the Senior Lecturer considers that sufficient merit has been shown.

*Removal of the limitation on the number of Sizars.*—Before the year 1911 the maximum number of Sizars was fixed at thirty and, in view of the inequality of the number of vacancies from year to year thus produced, it was resolved by the Board on 18th November, 1911, that, pending the obtaining of an Ordinance to legalize the use of the name “Sizar,” such a number of special Sizarship Exhibitions, equal in value to Sizarships, should be awarded, that in effect the number of Sizars elected annually should be about ten.

On 8th December, 1917, it was ordained that the Board may elect to Sizarships in each year all candidates who display marked merit at the Sizarship Examination, irrespective of the number of vacancies created by the expiration of Sizarships previously awarded.

*Reid Sizarships.*—In the scheme approved by the Master of the Rolls, filed 7th August, 1888, it was directed that the income of the Reid Sizarship bequest should be applied to found additional Sizarships or Exhibitions in the nature of Sizarships, “not to

exceed five in number, open only to Students of limited means, natives of the County of Kerry, who, having failed to obtain ordinary Sizarships, may be deemed to have shown sufficient merit. Such Exhibitions to be held on conditions similar in all respects to those upon which ordinary Sizarships are held in the said College, and not to preclude such Exhibitioners from obtaining any other Exhibitions or Prizes, for which an ordinary Sizar would be eligible, and the said College shall determine the annual stipend to be allowed to each such Exhibitioner, or the privileges in lieu of such stipend, in such way, as to place him, with respect to exemption from fees, free commons and free rooms, on a footing similar to that of ordinary Sizars."<sup>a</sup>

## UNDERGRADUATE COURSE.

### 5. *Explanation of Terminology.*

There are three Terms in each *Calendar* year, *i.e.*, Hilary Term, beginning on January 10, and ending on March 25; Trinity Term, beginning on April 15, and ending on June 30; and Michaelmas Term, beginning on October 10, and ending on December 20. If, however, Easter happens to fall within the limits of Hilary or of Trinity Term, that Term is increased by an additional week.

The Academic Year commences in the beginning of November, *i.e.*, with the Lectures of the Michaelmas Term. Afterwards, in the beginning of Hilary Term, there are the Hilary Term Examinations in the subjects of the Michaelmas Lectures. Then follow the Lectures of Hilary Term, and the Trinity Term Examinations, and finally the Lectures of Trinity Term and the Examinations of Michaelmas Term, which close the Academic Year, which therefore extends from November to November.

*Freshmen and Sophisters.*—During the first Academic Year, Students are called Junior Freshmen; during the second Academic Year, Senior Freshmen; during the third and fourth years, Junior and Senior Sophisters; then Junior, Middle, and Senior Bachelors; but a Student belonging to the Junior Bachelor Class is called a Candidate Bachelor, not a Junior Bachelor, until he has actually taken the B.A. Degree. Graduates who are of standing entitling them to take out the Degree of Master in Arts are called Candidate Masters. They are of this standing three years after they have *passed* the Examination for the Degree of B.A.

<sup>a</sup> It was also arranged that the residue (if any) of the income of the Reid Sizarship endowment might be applied in paying the usual fees to the Examiners at the Examinations for such Sizarships, and in such manner as the Board of Trinity College might think best calculated to encourage superior education in the said County, as for instance, by assigning from time to time stipends to such Schoolmasters as may distinguish themselves in preparing Students for Trinity College, Dublin, such stipends to be given on condition that such Master or Masters shall undertake to prepare, free of expense, as Day-Scholars, a certain number of boys of limited means for the Sizarship Examination of the College, or in such other way as to the said College may seem most effectual and expedient for the promotion of superior education in the said County.



By a *rising Junior Freshman* is meant a Student who, having matriculated, has not yet entered on his actual Junior Freshman year, which begins in November.

At the commencement of each Term there is a general Pass Examination for each of the four academic classes, with the following exceptions:—The examination held at the end of the Senior Freshman year, or the Final Freshman Examination, commonly called the Little-Go, is held at the end of Trinity Term, and Supplemental Examinations are held in the following October and January. Also the Degree Examination is held in December at the end of the fourth year, when a student has become a Candidate Bachelor, and Supplemental Examinations are held in the following January and April.

At the beginning of each Term there are also Honor Examinations in the various Honor Schools.

In each Term the undergraduate Lectures in Arts, both those of the Pass course and those of the Honor Schools, commence after the general Pass examinations of the several classes are over.

A Student is said to have credit for a Term by Lectures or to have kept a Term by Lectures when he has attended with diligence the Lectures prescribed for that Term. He is said to have kept a term by Examination when he has passed an Examination in the subjects of the Lectures prescribed for that Term. Thus, for example, a Student keeps Michaelmas Term by Lectures when he attends the Lectures given daily during Michaelmas Term; and he keeps Michaelmas Term by Examination when he passes the Examination in the same Courses held at the beginning of the succeeding Hilary Term. Two Terms are said to be distinct when they are not kept by Lectures and by Examination in the same courses; for example, when a Junior Freshman attends Lectures in Michaelmas Term, and passes the Hilary Examination in January or the Supplemental Hilary Examination in June, he does not thereby get credit for two distinct Terms.

## 6.

### *Introductory Note.*

Students who are familiar with the regulations prior to the year 1918 will observe that there are considerable changes in those now issued, the object of which is to secure that every student shall, throughout his College Course, be required to make the best use of his opportunities by full attendance on Lectures. A Lecture Committee has been appointed to secure the proper working of the new regulations; and also to prevent their resulting in undue hardship to students whose circumstances render it impossible or undesirable for them to attend on the instruction provided by the College. But while it is not intended



to prevent the possibility of students keeping Terms by examination alone, permission to do so will in future be granted only when sufficient reason is shown. Before entrance a student may apply for such permission to the Lecture Committee through the Senior Lecturer or the Tutor under whom he intends to enter; but if permission be granted, after Entrance it will be necessary for him formally to renew the application each Term through his Tutor, in order to show the continued existence of the reasons which justified the permission originally.

## 7.

*Course of Study.*

In order to obtain the Degree of B.A., or Bachelor in Arts, a Student, unless exempted, is required to keep *every* Term by Lectures, and is not required to keep every Term by examination, but must keep one Term by Examination in the Junior Freshman year, pass the Final Freshman Examination, keep one Term by Examination in the Junior Sophister Year, and pass the Degree Examination. In the normal course a Student keeps a Term by Lectures when he attends with diligence the prescribed Pass Lectures; but he may substitute Honor Lectures for the Pass Lectures in the same subject, and if properly qualified (see § 21) may in his Freshman years keep his Term by attending one Course alone of Honor Lectures. Professional Students also are allowed to substitute in the Sophister years the lectures of their Schools for one of the courses of Lectures required from other Students. Also the Lecture Committee is empowered to allow a Student to substitute other Lectures for the Pass Lectures, if application is made to them through the Tutor of the Student, and if they deem the reason adequate, and consider the substitution desirable in the interests of the Student.

## 8.

*Exemptions from Attendance on Lectures.*

In dealing with exemptions from the regulation that Students must keep every Lecture Term, it is laid down as a fundamental rule that to obtain the B.A. Degree all Students except Medical Students must obtain credit for the following minimum of eight Terms, viz.:—They must keep one Term by Examination in the Junior Freshman year, pass the Final Freshman Examination, keep one Term by Examination in the Junior Sophister year, pass the Degree Examination, obtain credit for two other distinct Terms either by Lectures or by Examination in the Freshman years, one of which must be in the Senior Freshman year, and obtain credit for two other distinct Terms either by Lectures or by Examination in the Sophister years, one of which must be in the Senior Sophister year.

A special Course in Arts has been arranged for Medical Students.

Students while attending in full the Lectures of the Professional School of Divinity, or Engineering, or the Indian Civil Service, or the Army, or Agriculture, or Forestry, are not required to keep every Term by Lectures, but may omit keeping a particular Term, provided that they keep the above minimum of eight Terms. In every Term, however, in which they do not intend to keep the Term by Lectures, they must give information to the Senior Lecturer, so that an entry of their professional qualification may be inserted in the Term Book.

In the case of other students who, owing to their circumstances, seek exemption from keeping a particular term by Lectures, it is provided that, on sufficient reason being shown, the Lecture Committee may either allow a student to keep the Term by Examination instead of by Lectures, or, if they think fit, grant him complete exemption from attendance on Lectures during the Term. Such students must submit their reasons to their Tutors, who must lay them in writing before the Lecture Committee, at least one week before Lectures begin, and if in their opinion the reasons are sufficient, an entry to that effect will be made in the Term Book.

A student against whose name there is not a satisfactory entry covering each Lecture Term of the Academic year, does not rise with his class.

It is not intended to deprive non-resident students of the possibility of obtaining the B.A. Degree by examination alone, but this concession will be granted only to students who satisfy as above the Lecture Committee that their reasons for non-attendance at Lectures are sufficient, and such students will have to keep the minimum number of eight Terms by examination (making with the Entrance nine examinations in all).

9. A Junior Freshman or a Junior Sophister who fails to obtain credit for the compulsory examination of his year loses his class, but in other cases where a student fails to keep the exercises necessary to rise in November to the next higher class, he may, with the permission of the Lecture Committee, retain his class by keeping certain supplemental Terms. In all such cases application must be made through the Senior Lecturer.

When a Student loses his class, he retains credit for all the Terms he has already kept, but unless exempted must conform to the rule of keeping every Term by Lectures so long as his name remains on the College Books.

A student who desires to avail himself, to the full extent, of the benefit of a University Education, should, in addition to the

Ordinary Course, take the Lectures and Examinations in some one or more of the various Honor and Prize Courses. He is also permitted to attend such of the Professional Lectures as deal with subjects of interest to him.

#### 10. *Abridgment of Course of Study or Saving a Year.*

The regular period of Study extends over four years, but there are provisions by which a Student can obtain his Degree in less than four calendar years; for instance, under certain circumstances, a Student entering in October may obtain his Degree in about two years and eight months.

A Student who enters before the 21st of March in any year is placed in the Junior Freshman Class which commenced in the previous November, and a Student who enters on or after the 21st of March is in the ordinary course placed in the class which commences in the succeeding November. But a Student entering on or after the 21st of March and before the Junior Freshman Examination in October is permitted to join the existing Junior Freshman Class (*i.e.* that formed in the previous November) on payment of the half-yearly fee of ten guineas paid in April by members of that class; and if he passes the Trinity Term Examination, or the Hilary Supplemental Examination, or the Michaelmas Examination, and has, unless exempted, kept Trinity Term by Lectures, should he have entered before they commence, he will begin the Senior Freshman year in the November succeeding his Entrance. Such a Student is said to have saved his year, and it will be necessary for him, as for any other member of the Class, to pay a second half-yearly Fee on or before the Friday before the first Saturday in November. Thus the total amount of the Fees payable during the Course is the same whether the year be saved or not.

In the Senior Sophister year a somewhat similar advantage is sometimes granted. A Student who obtains the necessary permission from the Senior Lecturer (see § 14) is allowed to rise from the Senior Sophister Class to the Candidate Bachelor Class in the June instead of the November of his Senior Sophister year on payment of the Fees necessary to entitle him to be placed in that Class, and is then permitted to answer for his Degree in June. The names of such Students are kept on the books until the following June without further payment, and the total amount of the Fees payable is not increased. Such permission will be always granted to Students who have kept all the Terms since Entrance by Lectures.



11. The following rules repeat in detail the Academic exercises required from Students in each of the Undergraduate years:—

### Junior Freshman Year.

In the Junior Freshman year, a Student *must* obtain credit for one Term *by Examination*, otherwise he will not be allowed to become a Senior Freshman in November, but will be put down to the Class then commencing the Junior Freshman year.

Unless exempted, he must also have kept every Term after his Entrance by Lectures.

For the regulations with regard to the keeping of Catechetical Terms, which is optional, see Catechetical Course.

In June there is a Supplemental Examination in the subjects of the Hilary Examination, but only Students who have not already credit for a Term *Examination* are permitted to present themselves at this Examination. (Students who are exempted should observe that attendance on the Michaelmas Term Lectures and passing the Supplemental Hilary Examination in June do not entitle them to credit for two distinct Terms.)

### 12. Senior Freshman Year.

To rise with his class (*i.e.* to become a Junior Sophister in the November which ends his Senior Freshman year), a Senior Freshman must, in addition to the compulsory Junior Freshman Examination, have kept two other distinct Terms either by Lectures or by Examination before the Lectures in the Trinity Term of his Senior Freshman year, and one of these Terms must be in the Senior Freshman year. He must also pass the Final Freshman Examination, or Little-Go, held at the end of Trinity Term, or the Supplemental Examination held at the beginning of Michaelmas Term, and unless exempted must have kept the three Terms of his Senior Freshman year by Lectures.

In case of failure to keep the required Exercises, see § 9.

For the regulations with regard to the keeping of Catechetical Terms, which is optional, see Catechetical Course.

In the case of Army Candidates permission is occasionally given by the Board to come up for the Final Freshman Examination in the April preceding the regular date. Such Students must then pay both the April and November Fees. (Order of the Board, April 25, 1903.)

A Student who fails to pass the Final Freshman Examination in his Senior Freshman year may supplement it in the following January, and shall attend in Michaelmas Term such Lectures as the Senior Lecturer may consider advisable. If he passes in January, he proceeds with his Junior Sophister year; but if he fails, he is degraded to the Senior Freshman Class, and attends such Lectures as the Senior Lecturer may prescribe.

No Senior Freshman Student can be awarded a Prize at the Michaelmas Examinations of his Class unless he has passed the Final Freshman Examination.



### 13. Junior Sophister Year.

In the Junior Sophister year, a Student *must* obtain credit for one Term *by Examination*; otherwise he will not be allowed to become a Senior Sophister in November, but will be put down to the Class then commencing the Junior Sophister year. Unless exempted he must also have kept the three Terms of the Junior Sophister year by Lectures.

### Senior Sophister Year, and Degree Examination.

14. In addition to the compulsory Examination of the Junior Sophister year, a Senior Sophister must keep two other distinct terms before the Trinity Lectures of his Senior Sophister year, and one of these Terms must be in the Senior Sophister year. Also unless exempted he must have kept the three Terms of his Senior Sophister year by Lectures.

Senior Sophisters who have satisfied these requirements are raised in November to the Candidate Bachelor Class, and may compete for the Degree Examination in the following December or January or April.

By the special permission of the Senior Lecturer, they may also be raised in June to the standing of Candidate Bachelors on payment of the half-yearly fee due before a Student becomes a Candidate Bachelor, and they would then be entitled to present themselves at the Degree Examination in June. The names of such Students remain on the College Books till the first Saturday in the succeeding June. Such permission, however, is not extended to Students who have to keep an Examination in Trinity Term in order to qualify for admission to the Examination for Degree.

In granting this permission regard is had to the merit which the Student has shown at the Final Freshman and other Examinations, as well as the importance to the Student of obtaining the Degree at the earlier date. As stated before, such permission will always be granted to Students who have kept all the Lecture Terms since Entrance. Students seeking this privilege must make application to the Senior Lecturer on or before June 1.

In cases of extreme urgency the Board sometimes allow Senior Sophisters to be raised to the Candidate Bachelor Class and answer for their Degree in April.

A Senior Sophister who has not satisfied the above requirements may by permission of the Senior Lecturer be raised provisionally to the Candidate Bachelor Class, on condition of his performing such supplemental exercises as the Senior Lecturer may prescribe, and he may (provided his name is on the College Books) proceed

to the Degree Examination in any Term subsequent to that in which he has completed the exercises.

No Student is entitled to present himself as a candidate at the Moderatorship or December Degree Examinations of his class unless he has by the end of Trinity Term kept all the Terms required before the Degree Examination; but in exceptional cases he may be allowed to do so by special permission of the Board, provided that he has performed such supplemental exercises as may be necessary to entitle him to sit for the Degree Examination.

### Mode of obtaining Credit for the various Terms.

As stated in § 5, Terms may be kept by Examination or by Lectures.

#### 15. *Keeping of Arts Terms by Examination.*

Students are not allowed to present themselves at Ordinary Examinations without notice to be given to the Senior Lecturer not later than fourteen days before the first day of the examination, provided that tardy notice may be accepted up to eight days before the examination on payment of a fine of 2s. 6d. to accompany the notice for every day in arrear. No notice shall be accepted in any circumstances unless it has been given eight days before the examination.

Notice must be given on the form provided for the purpose.

A Student presenting himself for Examination is required by the Senior Lecturer to answer satisfactorily in each separate subject, or group of allied subjects, for which he is liable. A slight deficiency in one subject may, however, be counterbalanced by marked proficiency in others, provided the previous record of the Student does not indicate persistent neglect of the deficient subject. Special attention is paid to the mark in English Composition.

The name of a Student presenting himself at an Examination must be on the College books *before the day of that Examination*.

The Final Freshman Examination held at the end of Trinity Term lasts three days; all the other Term Examinations, including the Degree, last for two days. On the first day papers are set; on the second day the candidates are examined *vivâ voce*, and further papers may also be set. Term Examinations commence in the forenoon at half-past nine, and in the afternoon at two o'clock; on the *vivâ voce* days a Student must remain in the Examination Hall until all his *vivâ voce* Examinations are completed.

Students must wear academics at all Arts Examinations other than Entrance and Sizarship.

Students residing habitually at a distance from Dublin, and coming to Dublin to attend the Examinations of their Class, may put their names on Commons on the days on which these Exami-

nations are held. They should communicate with the Clerk of the Buttery at or shortly after 12 o'clock on the day of the Examination.

A programme, giving the hours at which the different papers are set, is posted on the notice board at the Front Gate, a day or two before the Examination.

A Student who in any Term obtains Honors in all the Subjects for which he would be liable, is entitled to claim credit for a Term by Examination, except in the case of the Final Freshman and Degree Examinations. A Student who obtains a Moderatorship is not required to compete at the ordinary Degree Examination.

## 16. *Keeping of Arts Terms by Lectures.*

Students in order to obtain credit for a Term by attendance at Tutorial Lectures are required to attend five-sixths of the number of Lectures appointed for the Term; but the Senior Lecturer may on the recommendation of their Lecturer, and without reference to the Board, grant terms to Students who shall have attended not less than three-fourths of the whole.

When attendance on two different branches of one subject is required (*e.g.*, French and Latin), the Student must attend at least five-sixths of the total number of Lectures, and must attend at least three-fourths of the number given by each Lecturer severally.

Students seeking credit for a Term by Lectures must, at the commencement of such Term, register with the Clerk of the Books their places of residence for that Term, and during Term notify any change of residence. If this rule be not observed, credit for the Term cannot be allowed.

Students keeping the Term by Lectures can ascertain the hours at which they are to attend, as well as the names of their Lecturers, from the notices posted at their Tutors' Rooms.

Students may obtain credit for their Terms in Modern Languages, by attending any official Term of Lectures in the subject, irrespective of Class. (Resolution of the Board, July 8, 1905.)

Terms may also be kept by attendance on Lectures in the Indian and Home Civil Service School, which see.

No Lectures are given on days marked thus (†) in the Almanac.

The Lectures, both Ordinary and Honor, are, as a rule, chiefly devoted to the new business of the Term.

## 17. *Catechetical Terms.*

The Catechetical Examinations are held on the day following the Term Examinations.

Catechetical Terms may be kept by Lectures, which commence at 9.30 a.m. in the Examination Hall on the days appointed

in the Almanac, and are continued at the same hour on the succeeding Saturdays.

**18.** The Languages required during the Freshman years, in addition to Latin, are one of the following:—Greek, French, German.

By permission of the Senior Lecturer, a student may be allowed to present Italian, Spanish, or Russian, as a Modern Language at any ordinary Examination. The courses in Italian and Spanish are given in § 34.

The Examinations in French and German are partly *vivâ voce* in the prescribed books; and partly by papers containing passages (unprescribed) for translation from these languages, and passages for translation from English into the same.

Latin Composition forms a part of every Latin Examination. In the translation of selected passages from the Classical authors, separate weight will be allowed for the style of the English Composition.

The books named under English Composition are intended to supply subjects for English Composition. A few questions will also be set on the substance of the books.

The letters *p.* or *v. v.*, or *p. & v. v.*, added in parentheses after a subject in the Freshman years, denote that the Examination in that subject is usually conducted by *papers*, or *vivâ voce*, or in *both ways*.

## **19. Junior Freshman Year.**

Throughout the Junior Freshman year, a Student without Privileges, keeping a Term by Examination, must answer in all the prescribed subjects; and keeping a Term by Lectures, must attend two Courses of Lectures, one Course in Science and one in Languages.

### **Subjects for Michaelmas Lectures and Hilary Examination.**

**MATHEMATICS,** . . . . Geometry: as in the Course for Entrance with additional practical constructions; and the Course comprised in Euclid, Book vi., but proofs which apply only to commensurable quantities will also be accepted, so that ratios may be dealt with by the ordinary processes of arithmetic. Students, however, should be able to recognize why such proofs are not immediately applicable to incommensurables. A more detailed syllabus can be obtained on application (*p. & v. v.*).  
 Arithmetic. Algebra, the first Four Rules, Fractions, Surds, Simple and Quadratic Equations (*p.*).



**Subjects for Michaelmas Lectures and Hilary Examination—continued.**

- LANGUAGES (*p. & v. v.*), . . . Latin, Horace, Odes III., IV., with Latin Composition, *and one of the following*:  
 Greek, Xenophon, Hellenica, Bk. i.  
 French, Mérimée, Colomba.  
 German, Liliencron, Umzingelt (Oxford).
- ENGLISH COMPOSITION, . . . Sir Walter Scott, *Quentin Durward*; *or*,  
 Selections from Tennyson, *Tiresias*  
 and other Poems (ed. Rowe and Webb) (*p.*).

**Subjects for Hilary Lectures and Trinity Examination.**

- MATHEMATICS, . . . . . Geometry, as before (*p. & v. v.*).  
 Arithmetic and Algebra, as before (*p.*).  
 Trigonometry, to the end of Solution of  
 Plane Triangles (*p.*).
- LANGUAGES (*p. & v. v.*), . . . Latin, Virgil, *Æneid*, Bks. II. and VII.,  
 with Latin Composition, *and one of the following*:  
 Greek, Homer, *Odyssey* VI., IX.  
 French, About, *Le Roi des Montagnes*.  
 German, Dehmel, *Das grüne Haus*  
 (Oxford).
- ENGLISH COMPOSITION, . . . Sir Walter Scott, *Marmion*; *or*,  
 De Quincey, *English Mail Coach*  
 and *Revolt of the Tartars* (*p.*).

**Subjects for Trinity Lectures and Michaelmas Examination.**

- MATHEMATICS, . . . . . Geometry as before (*p. & v. v.*).  
 Arithmetic and Algebra, as before (*p.*).  
 Trigonometry, with the use of Logarithms (*p.*).
- LANGUAGES (*p. & v. v.*), . . . Latin, Livy, Book XXI., with Latin  
 Composition, *and one of the following*:  
 Greek, Plato, *Apologia Socratis*.  
 French, Michelet, *Jeanne d'Arc*  
 (Hachette).  
 German, *Die hundert besten Gedichte*  
 (Gowans and Gray).
- ENGLISH COMPOSITION, . . . Shakspeare, *Twelfth Night*. Addison,  
*Spectator Club Papers* (in T. Arnold's  
 Selections from the *Spectator*) (*p.*).

## 20. Senior Freshman Year.

Throughout the Senior Freshman year, a Student without Privileges, keeping a Term by Examination, must answer in all the prescribed subjects; and keeping a Term by Lectures, must attend two Courses of Lectures—one Course in Science, and one in Languages.

*Honor Lectures.*—Students may substitute *either* the Honor Lectures in Mathematics *or* those in Logics, for the ordinary Science Lectures.

### Subjects for Michaelmas Lectures and Hilary Examination.

MATHEMATICS, . . .	Geometry, as before, with the application of geometrical methods to incommensurable, as well as to commensurable magnitudes ( <i>v. v.</i> ). Arithmetic and Algebra, as before ( <i>p.</i> ). Trigonometry, as before ( <i>p.</i> ).
LOGIC, . . . .	Abbott's Elements of Logic ( <i>p. &amp; v. v.</i> ).
LANGUAGES ( <i>p. &amp; v. v.</i> ),	Latin, Sallust, Catiline, with Latin Composition, <i>and one of the following</i> :— Greek, Herodotus, Book VIII., to end of chap. 99. French, G. Sand, La Mare au Diable. German, Lessing, Minna von Barnhelm.
ENGLISH COMPOSITION,	Macaulay, Essays on Hampden and Warren Hastings. Goldsmith, The Good-natured Man ( <i>p.</i> ).

### Subjects for Hilary Lectures and Trinity Examination.

MATHEMATICS, . . .	Geometry, as before ( <i>v. v.</i> ). Arithmetic and Algebra, as before ( <i>p.</i> ). Trigonometry, as before ( <i>p.</i> ).
LOGIC, . . . . .	As before ( <i>p. &amp; v. v.</i> ).
MATHEMATICAL PHYSICS,	Statics :—Composition and Resolution of (a) Forces meeting in a point, (b) Parallel Forces. Moments. Couples. Centre of Parallel Forces and of Gravity. General conditions of equilibrium of coplanar Forces. Friction. Work. Simple Machines ( <i>p. &amp; v. v.</i> ).
LANGUAGES ( <i>p. &amp; v. v.</i> ),	Latin, Plautus, Trinummus, with Latin Composition, <i>and one of the following</i> :— Greek, Euripides, Alcesteis. French, Berthon, Specimens of Modern French Verse. German, Balladen und Romanzen, pp. 1–93 (Macmillan).
ENGLISH COMPOSITION,	George Eliot, Scenes of Clerical Life. Macaulay, History of England, chap. iii.

## Subjects for Trinity Lectures and the Final Freshman Examination.

- MATHEMATICS**, . . . Geometry, as before (*v. v.*).  
 Arithmetic and Algebra, as before (*p.*).  
 Trigonometry, as before (*p.*).
- LOGIC**, . . . . . As before (*p. & v. v.*).
- MATHEMATICAL PHYSICS**, Statics, as before.  
 Dynamics:—Velocity and Acceleration. Motion in a straight line. Mass, Force, and Weight. Connexion between Mass and Weight of the same body. Absolute Unit, Poundal. Composition and Resolution of Velocities, Accelerations, and Forces. Motion of a particle on smooth and rough inclined planes. Equality of Action and Reaction. Atwood's Machine and other simple cases of rectilinear motion of two bodies connected by an inextensible string passing over a smooth pulley. Projectiles. Momentum and Impulse. Impact or Collision. Uniform circular Motion. Harmonic Motion. Pendulum and determination of *g*. Work, Energy, and Horse-power (*p. & v. v.*).
- LANGUAGES** (*p. & v. v.*), Latin, Virgil, *Æneid*, Books iv., vi., with Latin Composition, *and one of the following*:—  
 Greek, Homer, *Iliad*, Books xxii., xxiv.  
 French, Vigny, *Cinq Mars*, Part II.  
 German, Freytag, *Die Journalisten*.
- ENGLISH COMPOSITION**, Shakspeare, Richard III. Thackeray, English Humourists (*p.*).

At each Final Freshman Examination those Students who obtain 40 *per cent.* and upwards, and whose answering in the several subjects is considered satisfactory by the Senior Lecturer, are distributed into three Classes, the names in each Class being arranged in the order of the percentages obtained. The minimum standards of Classes are:—First Class, 60 *per cent.*; Second Class, 50 *per cent.*; Third Class, 40. Of the remaining Candidates, those whose answering is considered by the Senior Lecturer to be sufficient are allowed the Examination, and their names are arranged in alphabetical order as Unclassed Candidates.

The Jellett Prizes for General Answering, value £5 and £3 respectively, are awarded on the result of this Examination (see “Jellett Prizes”).

The award of the Senior Exhibitions depends partly on the marks obtained at this Examination (see “Senior Exhibitions”).

## 21. Privileges of Students in the Freshman Years.

(a) Any Student who shall have obtained 30 per cent. in Mathematics, in English Composition, in Latin, and in Greek or French or German, at the Junior Exhibition Examination, will be allowed in the two Freshman years to keep a Term by Lectures (on the written recommendation of the Lecturer) if he attends with diligence a course or courses of Honor Lectures, consisting of not less than five Lectures weekly; and if he obtains an Honor in any subject, he will be allowed credit for a Term by Examination, except for the Final Freshman Examination.

Such Students who desire to obtain credit for a Term by attendance at Classical Honor Lectures will be required to attend the Tutorial Honor Lectures and the Honor Lectures in Classical Composition.

(b) A special Arts Course has been arranged for Medical and Dental Students. See "Arts Course of Medical and Dental Students."

(c) Junior Class Engineering Students may substitute the Mathematical Lectures of the Engineering School for the Ordinary Science Lectures of the Junior Freshman or of the Senior Freshman Year.

## 22. Junior Sophister Year.

In the Junior Sophister Year the subjects for Lectures and Examinations are divided into Groups A, B, C, D, E; see § 25.

### *Keeping of Terms by Lectures.*

A student without Professional Privileges obtains credit for a Term by attending courses of Lectures in two subjects which must be chosen from different groups.

The subjects on which Lectures are delivered each Term are given in § 25.

Each of the five languages, Greek, Latin, French, German, Irish, is represented by one half-course of Lectures, and attendance on two half-courses is necessary to keep the Term in Languages.

To obtain credit in Experimental Science, Junior Sophisters must attend the Lectures in Experimental Physics and those in Inorganic Chemistry, as well as Laboratory Instruction, for which last a fee of one guinea must be paid to the Junior Bursar for each Term.<sup>a</sup> The Term in Experimental Science cannot be kept by attendance on Lectures during Trinity Term.

<sup>a</sup> On December 5, 1903, the Board resolved that, for the future, Students in Arts may attend the Lectures in Chemistry without payment for the same, but shall pay a fee of one guinea per Term for Laboratory Practice and Instruction, being liable, in addition, to pay for breakages; and that persons not on the College Books, if admitted by the Board, shall pay two and a half guineas per Term for Lectures and Laboratory Practice and Instruction.



In the Senior Sophister year a student cannot keep a Term *by Lectures* in Experimental or Natural Science unless he has, as a Junior Sophister, kept at least one Term in those subjects respectively. No such restriction, however, applies to Examinations.

To obtain credit in History, Junior Sophisters must attend the Lectures in Constitutional History and in Economic History, and must pass an examination in the work of the Term.

The arrangements as to all Lectures in subjects by attendance on which Terms may be kept are posted on the Tutors' doors some days before Lectures begin.

Honor Lectures in any subject may be substituted for the Pass Lectures in that subject, in any Term, with the permission of the Lecturer.

*Honor Lectures.*—Junior Sophisters who have obtained Honors in Classics may substitute the Lectures of the Professors of Greek and Latin for the Ordinary Lectures in Greek and Latin.

Science Honormen may substitute the Lectures of the Professors of Mathematics and Natural Philosophy for the ordinary Lectures in any subject of Group A.

### *Keeping of Terms by Examination.*

In order to get credit for any examination, a Junior Sophister must pass in English Composition and in three subjects, not more than two of which may belong to the same Group.

In the Sophister years the examination in every course except English Composition is usually conducted both *by papers* and *vivâ voce*.

Any two of the five languages, Greek, Latin, French, German, Irish, count as one subject.

A Student selecting French or German will be required to write a translation from English into French or German, in addition to answering in the books named in § 25.

Candidates for two Moderatorships who obtain Honors in the subjects of their Moderatorships in the same Term will be given credit for the Pass Examination of that Term, provided that a First Honor be obtained in at least one subject.

## 23. Professional Privileges.

Junior Sophisters, not Divinity Students, who are keeping a Term in Arts by Lectures (or by the Examination at the commencement of the following Term), can obtain Professional Privileges by—

- (a) Attending, during the Term, three-fourths of the Lectures of two of the Professors of Law, and passing the Examination held at the conclusion of those Lectures.

- Or,  
 (b) Attendance at three-fourths of the Professional Lectures of the Engineering School during the Term.
- Or,  
 (c) Attendance, during the Term, as Candidates for Indian Civil Service, on two full Courses of the Special Lectures provided by the College for such Candidates.
- Or,  
 (d) Attendance, during the Term, as Students in the "Army School," on certain prescribed Courses of instruction.
- Or,  
 (e) Attendance, during the Term, on three-fourths of each of three Courses of Lectures in the School of Agriculture.

But no Professional Privileges are allowed for a second attendance on the same course of Professional Lectures.

## 24. Junior Sophisters having Professional Privileges.

### *Keeping of Terms by Lectures.*

A Junior Sophister having Professional Privileges obtains credit for a Term by attending Lectures in any one of the subjects as arranged for each Term ; see § 25.

### *Keeping of Terms by Examination.*

A Junior Sophister having Professional Privileges obtains credit for a Term Examination by passing in English Composition, and in two subjects taken from different Groups ; but an Engineering student must not take Experimental Science at the Trinity or Michaelmas Examination, and may take at the same examinations two subjects which belong to the same Group.

For the Arts Course of Medical and Dental Students, see under that heading.

## 25. Subjects for Lectures and Examinations in the Junior Sophister Year.

### Subjects for Michaelmas Lectures.

A. MATHEMATICAL PHYSICS.

B. LANGUAGES :—GREEK, LATIN, FRENCH, GERMAN, IRISH. (Two languages to count as one subject.)

C. LOGIC.

D. EXPERIMENTAL SCIENCE. NATURAL SCIENCE.

E. HISTORY.

## Subjects for Hilary Examination.

- A. MATHEMATICAL PHYSICS, { Mechanics:—as read in Senior Freshman year.  
Hydrostatics:—Pressure at a point in a fluid. Resultant pressure over an area. Archimedes' Principle. Methods for determining specific gravity. Relation between the volume, pressure, and temperature of a gas. Weight of a given volume of a gas at a given temperature and pressure. Barometers. Diving-bell. Water Pumps. Air Pumps. The Siphon. Pressure Gauges. Balloons.  
(Candidates must take all three sections ) { Optics:—Galbraith and Houghton's Manual.
- B. LANGUAGES (two languages to count as one subject).  
GREEK, . . . . . Thucydides, Bk. vii.  
LATIN, . . . . . Tacitus, Agricola.  
FRENCH, . . . . . Daudet, Contes du Lundi.  
GERMAN, . . . . . Robertson, The Literature of Germany, pp. 73-143 (Home University Library); and Goethe, Hermann und Dorothea.  
IRISH, . . . . . Diarmuid 7 Dóninne, ed. O'Duffy (Society for Preservation of the Irish Language).
- C. LOGIC—Mill's Logic, Book II. and Book III., chaps. i to v.  
D. EXPERIMENTAL SCIENCE (detailed syllabus given below).  
NATURAL SCIENCE—Botany and Zoology—(detailed syllabus given below).
- E. HISTORY—Robinson's *History of Western Europe* (Ginn & Co.), chaps. i to xxii, inclusive.
- ENGLISH COMPOSITION, . . . . . L. Stephen: Johnson (English Men of Letters Series). Bagehot: English Constitution (Introduction, and chapters 2, 3, 4, 6).

## Subjects for Hilary Lectures.

- A. ASTRONOMY.  
B. LANGUAGES:—Greek, Latin, French, German, Irish. (Two Languages to count as one subject.)  
C. LOGIC.  
D. EXPERIMENTAL SCIENCE. NATURAL SCIENCE.  
E. HISTORY.

## Subjects for Trinity Examination.

- A. MATHEMATICAL PHYSICS, { Mechanics, Hydrostatics, and Optics, as before.  
ASTRONOMY, . . . . . { Parker's Astronomy (Longmans, Green, & Co.), chaps. i, ii, v, vi, vii, viii (omitting § 101), ix (to § 116 incl.), xi, and xii.

**B. LANGUAGES** (two languages count as one subject).

GREEK, . . . . .	Demosthenes, Olynthiacs I., II., III., and Philippic I.
LATIN, . . . . .	Juvenal, Sat. iii, iv, vii, viii, xiv.
FRENCH, . . . . .	Balzac, Eugénie Grandet (in Oxford Higher French Series).
GERMAN, . . . . .	Schiller: Wilhelm Tell.
IRISH, . . . . .	Stair Eamuin Uí Chléire, pt. i.

**C. LOGIC**—Mill's Logic, Book III., chaps. i-v, vii-xiii, and xx.

Bacon's Novum Organum, Book I., Preface and Aphorisms,  
1-69, 129, and 130.

**D. EXPERIMENTAL SCIENCE** (detailed syllabus given below).

NATURAL SCIENCE—Botany and Zoology (detailed syllabus given  
below).

**E. HISTORY**—Robinson's *History of Western Europe*, chaps. xxiii to  
end of volume.**ENGLISH COMPOSITION**, . . . J. Morley: Walpole.

Bacon's Essays, the following selection :—Truth ; Death ; Revenge ;  
Adversity ; Goodness, and Goodness  
of Nature ; Atheism ; Superstition ;  
Travel ; Counsel ; Innovations ;  
Friendship ; Discourse ; Riches ;  
Nature in Men ; Custom and Educa-  
tion ; Youth and Age ; Studies.

**Subjects for Trinity Lectures.****A. ASTRONOMY** (partly of a physical nature).**B. LANGUAGES** :—Greek, Latin, French, German, Irish. (Two  
Languages to count as one subject.)**C. PSYCHOLOGY.****D. EXPERIMENTAL SCIENCE. NATURAL SCIENCE.****E. HISTORY. EDUCATION.****Subjects for Michaelmas Examination.****A. MATHEMATICAL PHYSICS**, As before.

ASTRONOMY, . . . . . As before, and Parker's Astronomy,  
chaps. iv and x, and Young's Manual  
of Astronomy, chaps. ii, vii, viii, ix,  
and xvi-xx.

**B. LANGUAGES** (two languages count as one subject).

GREEK, . . . . .	Æschylus, Prometheus Vincetus.
LATIN, . . . . .	Horace, Satires.
FRENCH, . . . . .	R. Bazin, La Terre qui meurt.
GERMAN, . . . . .	Goethe, Iphigenie auf Tauris.
IRISH, . . . . .	P. O'Leary, Séabna.



- C. **PSYCHOLOGY**—Höffding's Outlines of Psychology, chaps. i-iv, and Sections A and B of chap. v.
- D. **EXPERIMENTAL SCIENCE** (detailed syllabus given below).
- NATURAL SCIENCE**—Botany and Zoology (detailed syllabus given below).
- E. **HISTORY**—Green's *Short History of the English People*, from the Norman Conquest.
- EDUCATION**—Monroe, Text-book in the History of Education, chaps. i, iii, iv.  
Culverwell, The Montessori Principles and Practice.  
Drummond, The Child.
- ENGLISH COMPOSITION**, . . . Creighton: Queen Elizabeth. Dickens: A Tale of Two Cities.

## 26. Syllabus of the Experimental Science Course.

The Course in Experimental Science consists of two Sub-Courses, Experimental Physics and Chemistry, in each of which Candidates are required to answer, and which are as follows:—

### EXPERIMENTAL PHYSICS.

Candidates must understand the theory of, and know how to use, the instruments mentioned. They must understand the principles involved in the measurements and experiments, and be able to make calculations founded on them. Courses are provided in the Physical Laboratory for Students requiring practical instruction in Physical Measurements. They are desired to pay special attention to the principle of the Conservation of Energy, as illustrated in the various branches of Experimental Physics.

### HILARY EXAMINATION.

#### *General Properties of Matter:*

- Measurement of space (length, area, volume), time and mass (vernier, micrometer screw, pendulum, balance).
- Characteristics of solids, liquids, and gases (compression, and shearing strains and stresses).
- Measurement of pressure (mercurial and aneroid barometer, liquid manometer).
- Measurement of density (specific gravity bottle, hydrostatic balance, hydrometers of variable immersion).
- Measurement of compressibility of gases (Boyle's tube).

#### *Heat:*

- Measurement of temperature (construction of mercurial thermometers, centigrade and Fahrenheit scales, maximum and minimum thermometers).
- Measurement of coefficients of expansion for temperature of solids, liquids, and gases (Roy and Ramsden's method for solids; Dulong's method, and apparent expansion in glass for liquids; air thermometer method for gases).
- Maximum density of water (Hope's experiment).

Applications of expansion of solids (metallic thermometers, compensated pendulums, &c.).  
 Measurement of density of a gas (Regnault's experiments).  
 Measurement of quantities of heat.  
 Measurement of specific heats of solids (water calorimeters, Dulong and Petit's law).  
 Laws of fusion and evaporation (boiling, effect of presence of other gases, distilling).  
 Measurements of latent heats of fusion and evaporation (water calorimeter, Black's ice calorimeter).  
 Freezing mixtures, cooling by evaporation.  
 Measurement of mechanical equivalent of heat (Joule's experiment)

### TRINITY EXAMINATION.

As before, and in addition :—

#### *Electricity :*

Laws of magnetic force (torsion balance).  
 Laws of magnetic induction (magnets and magnetic substances).  
 Terrestrial magnetism (declination, dip).  
 Lines of force due to magnets and electric currents.  
 Laws of magnetic force due to electric currents (tangent galvanometers, electro-magnets, electric bell).  
 Ohm's law.  
 Measurement of resistances and specific resistance (Metre Bridge, Post Office Box).  
 Measurement of electromotive forces (high resistance galvanometers).  
 Laws of electrolysis (gas and copper voltameters, electroplating, lead batteries).  
 Electromotive force due to chemical action (zinc copper and dilute sulphuric acid, amalgamation).  
 Polarization of cells (bichromate, Daniell's, Grove's and Bunsen's and Le Clanché cells).  
 Peltier's thermo-electric effect (thermopile).

### MICHAELMAS EXAMINATION.

As before, and in addition :—

#### *Sound :*

Simple vibration. Loudness, pitch, and tone.  
 Measurement of frequency.  
 Methods of maintaining vibrations, resonance.  
 Vibrations of bodies, loops and nodes, laws of vibration of stretched strings.  
 Transverse and longitudinal displacements, organ-pipes.  
 Wave motion, measurement of wave-length and velocity of propagation.  
 Musical intervals.

**Light :**

Light propagated in right lines, rays ; pin optics.  
 Laws of reflection and refraction.  
 Measurement of angle between two reflecting surfaces.  
 Measurement of refractive index.  
 Mirrors and lenses, measurement of focal lengths.  
 Dispersion, spectrum analysis and selective absorption.  
 Photometry.

**CHEMISTRY.**

The Examinations are confined to the leading facts and principles of the Science. Candidates are expected to be familiar with the methods used in the deduction of formulæ, and with the solution of such chemical problems as are referred to in the Course.

**HILARY EXAMINATION.**

Inorganic Chemistry :—the non-metals, hydrogen, oxygen, nitrogen, and the halogens, and the chief compounds which these elements form with each other. Elementary Chemical Theory.

*Practical.*—Preparation and identification of the gaseous and other substances included in the above Course.

**TRINITY EXAMINATION.**

Carbon, silicon, sulphur, boron, phosphorus, and their chief compounds.

*Practical.*—As before, but including all non-metals, with systematic analysis for single acid radicles.

**MICHAELMAS EXAMINATION.**

The commonly occurring metals, and their more important compounds.

*Practical.*—Qualitative examination for a single metal.

**27. Syllabus of Course in Natural Science.**

Students are required to have a practical, as well as a theoretical, knowledge of the subjects of Examination.

**HILARY EXAMINATION :—**

ZOOLOGY, <sup>(1)</sup> . Beddard's Elementary Practical Zoology, chaps. i. and ii.

BOTANY, <sup>(2)</sup> . The structure (so far as may be made out by means of a simple lens) and arrangement of the vegetative and reproductive organs of Seed-Plants, as illustrated by the following types: the Wall-flower (*Cheiranthus Cheiri*), the Lily (*Lilium candidum*), and the Fir (*Picea excelsa*).

Scott's Introduction to Structural Botany, Pt. I., pp. 1-26, 136-152, and 233-238.

(1) Students are recommended to study in the Zoological Museum, as they are liable to be examined practically in such specimens as do not require the microscope for their recognition.

(2) Students are recommended to apply to the Professor of Botany for material illustrating the Course, as a practical acquaintance with the plants mentioned in the above Syllabus is indispensable.

## TRINITY EXAMINATION :—

- ZOOLOGY, <sup>(1)</sup> . As before ; with Beddard, chaps. iv., v., and vi.  
 BOTANY, <sup>(2)</sup> . Outlines of the Physiology of Nutrition. The essential chemical constitution of Plants. The Nutrition of Green Plants. Relation to Light. Movement of materials in Plants. Respiration.  
 Scott : Pt. I., chap. iii.

## MICHAELMAS EXAMINATION :—

- ZOOLOGY, <sup>(1)</sup> . As before ; with Beddard, chaps. viii. and x., omitting the pages on Skulls.  
 BOTANY, <sup>(2)</sup> . The arrangement of Tissues in Seed-Plants, as illustrated by the Wallflower, Lily, and Fir. The microscopic appearance and minute structure of tissues. The minute structure of the cells and modifications of cells found in these types. The nature of Protoplasm. The microscopic appearance of Pollen-grains, their growth and life-history. The minute structure of Ovules, Pollination, Fertilization, Production of Seeds.  
 Scott : Pt. I., pp. 26-141, 152-199, and 238-283.

## 28. Senior Sophister Year.

In the Senior Sophister year the subjects are divided, as in the Junior Sophister year, into Groups A, B, C, D, E. See § 31.

*Keeping of Hilary or Trinity Term by Lectures.*

In the Senior Sophister year a Student obtains credit for a Term by attending Courses of Lectures in two subjects which must be chosen from different Groups.

To obtain credit in Political and Economic Science, Senior Sophisters must attend the Lectures in Political Science and in Economics.

In Experimental Science, Laboratory attendance is necessary, as in the Junior Sophister year, and the arrangements as to Chemistry Fees are the same also.

No Senior Sophister can obtain credit for attendance on *Lectures* in Experimental Science who has not obtained credit for a Junior Sophister Term in the same subject ; and no Senior Sophister can obtain credit for attendance on *Lectures* in Geology who has not, as a Junior Sophister, obtained credit for Botany and Zoology. To keep the Term in Experimental or Natural Science requires attendance during three days per week only.

(<sup>1</sup>) Students are recommended to study in the Zoological Museum, as they are liable to be examined practically in such specimens as do not require the microscope for their recognition.

(<sup>2</sup>) Students are recommended to apply to the Professor of Botany for material illustrating the Course, as a practical acquaintance with the plants mentioned in the above Syllabus is indispensable.



*Honor Lectures.*—Senior Sophisters who have obtained Honors in Mathematics may substitute the Lectures of the Professors of Mathematics and of Natural Philosophy for the Ordinary Lectures in any one subject. Those who have obtained Honors in Classics may substitute Professorial Lectures for Classical Ordinary Lectures.

Senior Sophisters may be allowed to keep a Term by attendance, to the satisfaction of the Lecturers, at the Lectures in any two Moderatorship Courses, to be approved by the Senior Lecturer, subject to an appeal to the Board.

*Keeping Senior Sophister Terms by Examination, and passing the Degree Examination.*

In order to get credit for the Hilary or Trinity Term Examination, or for the Degree Examination, a Senior Sophister must pass in English Composition, and in four other subjects, one at least of which must be taken from Groups A, B, or D.

At each Degree Examination, those Students who obtain 45 per cent. and upwards, and whose answering in the several subjects is considered satisfactory by the Senior Lecturer, are distributed into three Classes, the names in each Class being arranged in the order of the percentages obtained. The minimum standards for Classes are:—First Class, 65 per cent.; Second Class, 55 per cent.; Third Class, 45 per cent.

Of the remaining Candidates, those whose answering is considered by the Senior Lecturer to be sufficient are allowed the Examination, and their names are arranged in alphabetical order as Unclassed Candidates.

Candidates placed in the First Class who have passed in the full course for the Degree Examination without claiming Professional Privileges are called Respondents, and are entitled to receive honorary Testimoniums, which are publicly presented to them by the Chancellor or Vice-Chancellor, at the Commencements at which they are admitted to their Degrees, and their names are permanently recorded in the Calendar immediately after those of the Moderators.

Medical and Dental Students who claim Professional Privileges at the Degree Examination are classed according to the marks which they obtain in the Arts and in the Professional portions of this Examination, taken together.

The Degree can also be obtained on the result of the Moderatorship Examination: see § 34.

A Candidate whose name is on the books of the College, and who has passed the Degree Examination, can present himself at any Commencements, in order that the Degree may be conferred upon him, provided that he shall have paid the Degree Fee of two pounds to the Junior Bursar on the day before the Commencements *at latest*. If his name be not on the Books, he must also pay the Replacement Fee of fifteen shillings to the Junior Bursar.

## 29. Professional Privileges in the Senior Sophister Year.

At the Hilary and Trinity Examinations, *Divinity Students* obtain Professional Privileges if they have credit for full attendance on the Lectures of Archbishop King's Professor, or the Regius Professor, and one of the Assistants, during the Term preceding the Examination at which they present themselves; but at the Degree Examination they obtain Professional Privileges only if they have credit for a similar professional attendance for the *entire year* (i. e. the *three Terms*) either preceding the December Degree Examination of their Class,<sup>a</sup> or preceding the Degree Examination at which they present themselves.

At the Michaelmas and Hilary Lectures, and the Hilary and Trinity Examinations, *Law, Engineering, Indian Civil Service, and Agricultural Students* who fulfil the conditions in (a), (b), (c), or (d), of § 23, obtain Professional Privileges; but at the Degree Examination they obtain Professional Privileges only if they have credit for Professional attendance as specified in (a), (b), (c), or (d), § 23, for the *entire year* (i. e. the *three Terms*) either preceding the December Degree Examination of their Class,<sup>a</sup> or preceding the Degree Examination at which they present themselves; provided that, in the case of Law Students, they have also credit for the General Examination held in Trinity Term.

The Arts Course of *Medical and Dental Students* is given under that heading.

An Engineering Student who has passed his Engineering Degree Examination is granted Professional Privileges in his Senior Sophister year, and at his Degree Examination.

## 30. Senior Sophisters having Professional Privileges.

### *Keeping of Hilary or Trinity Term by Lectures.*

In order to get credit for a Term of Lectures, a *Divinity Student* must attend Courses in two subjects from different Groups; one of these subjects must be either Greek and Latin, or Greek and Hebrew. Or he may substitute for Classical Lectures an Examination at the conclusion of the Lectures. The ordinary Lectures in Greek are on Mondays, Wednesdays, and Fridays, and in Latin on Tuesdays, Thursdays, and Saturdays in the Senior Sophister year. The Hebrew Lectures are on Tuesdays and Thursdays.

1. In order to get credit for a Term of Lectures, *any other Student who has Professional Privileges* shall attend a Course of Lectures in any one subject (except in the case of Law Students, Political and Economic Science, and in the case of Engineering Students, Experimental Science).

<sup>a</sup> That is at the Michaelmas, Hilary, and Trinity Terms of their Senior Sophister Year.

*Keeping of Hilary or Trinity Term by Examination, and passing of the Degree Examination.*

Divinity Students having Professional Privileges may obtain credit for a Senior Sophister Term Examination, or for the Degree Examination, by passing in English Composition and in three subjects, one of which must be Classics.

In order to get credit for a Senior Sophister Term Examination, or for the Degree Examination, other students who have Professional Privileges must pass in English Composition and in three subjects (Experimental Science being excluded as a subject in the case of Engineering students).

### 31. Subjects for Lectures and Examinations in the Senior Sophister Year.

#### Subjects for Michaelmas, Hilary, and Trinity Lectures.

##### A. MATHEMATICAL PHYSICS. ASTRONOMY.

[These Lectures can be taken only by students who have not taken them as Junior Sophisters.]

##### B. LANGUAGES:—Greek, Latin, French, German, Irish. (Two languages to count as one subject.)

##### C. PSYCHOLOGY. ETHICS.

##### D. EXPERIMENTAL SCIENCE. NATURAL SCIENCE.

##### E. ECONOMICS AND POLITICAL SCIENCE. EDUCATION.

#### Subjects for Hilary Examination.

##### A. MATHEMATICAL PHYSICS, Mechanics, Hydrostatics, and Optics, as in Junior Sophister year.

ASTRONOMY, . . . . . As before.

##### B. LANGUAGES (any two of the following five).

*Greek*—Aristotle, Nicomachean Ethics, Book II.

*Latin*—Cicero, de Officiis, Book III.

*French*—Taine, Voyage aux Pyrénées.

*German*—Schiller, Wallenstein's Lager and Die Piccolomini.

*Irish*—Oide Cloinne Tuipeann (Society for Preservation of the Irish Language.)

##### C. PSYCHOLOGY, . . . . . Höffding's Outlines of Psychology, chaps. iv, vi, and vii.

##### D. EXPERIMENTAL SCIENCE, As in Course given below.

NATURAL SCIENCE, . . . As in Course given below.

##### E. POLITICAL AND ECONOMIC

SCIENCE, . . . . . Ilbert's Parliament; J. S. Nicholson's Elements of Political Economy, Introduction, Book i., Book ii.

EDUCATION, . . . . . Monroe, Text-book in the History of Education, chaps. v, vi.

Bagley, The Educative Process.

Dewey, The School and Child.

ENGLISH COMPOSITION, Benjamin Franklin: Autobiography.  
Crabbe: The Borough.

## Subjects for Trinity Examination.

- A. MATHEMATICAL PHYSICS, As before.  
 ASTRONOMY, . . . . As before.
- B. LANGUAGES (any two of the following five),  
*Greek*—Plutarch's Life of Pericles.  
*Latin*—Virgil, Georgics, i. iv.  
*French*—Sandeau, Mademoiselle de la Seiglière. Labiche et Martin, Le Voyage de M. Perrichon (ed. Wells, pub. Harrap).  
*German*—Schiller, Wallenstein's Tod.  
*Irish*—Bergin, Stories from Keating's History of Ireland.
- C. ETHICS, . . . . Plato's Republic, Book iv (English translation).  
 Aristotle's Nicomachean Ethics, Books i and ii (English translation).  
 Rogers's Short History of Ethics, Introduction and Part i.).
- D. EXPERIMENTAL SCIENCE, As in Course given below.  
 NATURAL SCIENCE, . . As in Course given below.
- E. POLITICAL AND ECONOMIC SCIENCE, . . . . J. S. Mill's Representative Government (omitting chapters 8-12, inclusive).  
 J. S. Nicholson's Elements of Political Economy, Book iii., Book iv., Book v.
- EDUCATION, . . . . Monroe, Text-book in the History of Education, chaps. vii, viii, ix, and x.  
 Adams, Herbertian Psychology.  
 Welton, Logical Bases of Education.
- ENGLISH COMPOSITION, Carlyle: Heroes (Lectures 3, 5, and 6).  
 More: Utopia (English Translation).

## Subjects for the Degree Examination.

- A. MATHEMATICAL PHYSICS, . As before.  
 ASTRONOMY, . . . . As before.
- B. LANGUAGES (any two of the following five),  
*Greek*—Plato, De Republica, Book iii.  
*Latin*—Horace, Epistles, including the Art of Poetry.  
*French*—V. Hugo, Légende des Siècles (selection in Oxford Higher French Series).  
*German*—Faust, Erster Teil.  
*Irish*—Oide Clóinne Uirniú and Oide Clóinne Uir (Society for the Preservation of the Irish Language).
- C. PSYCHOLOGY, . . . . Höffding's Outlines of Psychology, chaps. i, ii, iii, iv, sections A and B of chap. v, and chaps. vi, vii.



ETHICS, . . . . .	As before, and Rogers's Short History of Ethics, Part II. Butler's Sermons i, ii, and iii, with Preface and Dissertation on Virtue. MacKenzie's Manual of Ethics, Books i and ii.
D. EXPERIMENTAL SCIENCE, .	As in Course given below.
NATURAL SCIENCE, . . . .	As in Course given below.
E. POLITICAL AND ECONOMIC SCIENCE, . . . . .	The Courses appointed for Hilary and Trinity Examinations, together with S. Low's Governance of England.
EDUCATION, . . . . .	Monroe, Text-book in the History of Education, chaps. xi to end. Spencer's Education — Intellectual, Moral, and Physical. Newman's Idea of a University Defined, Discourses v, vi, vii, in Part I, and in Part II, Discourses i, ii, and iii (omitting §§ 1, 2), and iv (omitting § 4). Culverwell, as before, omitting chap. vii. Bagley, as before, chaps. i-xv. Adams, as before, omitting chaps. iv, vii, viii, and ix.
ENGLISH COMPOSITION, .	Shakspeare : Julius Caesar. Seeley : Expansion of England.

## 32. Syllabus of Course in Experimental Science.

### EXPERIMENTAL PHYSICS.

#### (HILARY EXAMINATION.)

As before in Junior Sophister year, and in addition :—

#### *General Properties of Matter :*

- Molecular theory of structure of solids, liquids, and gases (diffusion).
- Measurement of elasticity of solids (stretching, torsion).
- Calculation of work done by elastic forces.

#### *Heat :*

- Measurement of relation of temperature and pressure of saturated vapours (manometer tube method).
- Hygrometry (hygrometers, chemical, dew-point, wet and dry bulb).
- Specific heat of a liquid (method of mixtures, cooling method).
- Convection of heat (hot air and hot water warming apparatus).
- Measurement of conductivity for bad conductors (cooling of jacketed hot water tin).
- Conductivity and diffusivity of good conductors (Ingenhaus' experiment by melting wax).
- Laws of Radiation (null method with thermopile).
- Equality of radiating and absorbing powers.
- Selective absorption of transparent bodies.
- General principle of steam-engine (furnace, boiler, cylinder, condenser, piston, crank, eccentric, slide valve).

## (TRINITY EXAMINATION.)

As before and in addition :—

*Electricity :*

- Molecular nature of magnetism (broken magnets).
- Comparison of moments of magnets (deflection method).
- Measurement of pressure by potentiometer.
- Internal resistance of cell, arrangement of cells.
- Moving coil galvanometers.
- Laws of electro-magnetic induction (Faraday's experiment, Arago's disc, Lenz's law, law of induced electro-motive force).
- Machines transforming mechanical into electro-magnetic energy (Clarke's magneto, Gramme dynamo).
- Machines transforming electro-magnetic into mechanical energy (dynamo used as motor, Morse telegraph, telephone and microphone).
- Machine altering electro-magnetic energy (Ruhmkorff's coil).
- Measurement of heat due to electric current (glow and arc lamps).

*Electrostatics :*

- Laws of electric action (Coulomb's balance).
- Distribution on conductor (proof plane, hollow conductor).
- Induction (ice-pail experiment, Leyden jar).
- Electroscopes.
- Electric discharges (points, lightning conductors).
- Cylinder and plate machines, electrophorus, induction machines.
- Capacity of a conductor, comparison of two capacities.

## (DEGREE EXAMINATION.)

As before.

## CHEMISTRY.

## (HILARY EXAMINATION.)

The paraffins and their chief derivatives.

*Practical.*—Analysis of simple soluble and insoluble salts.

## (TRINITY EXAMINATION.)

The olefines and their chief derivatives. Urea. Fats ; saponification and hydrolysis. Sugars, starch, cellulose.

*Practical.*—As before, with identification of common organic acids.

## (DEGREE EXAMINATION.)

Acetylene, benzene, and its more important derivatives. Pyridine, and its derivatives ; the alkaloids.

*Practical.*—As before, with identification of the commoner alkaloids.

## 33. Syllabus of Course in Natural Science.

## HILARY EXAMINATION.

ZOOLOGY, <sup>(1)</sup> . . . . .	All the work of the Junior Sophister Year, with Beddard, chaps. iii. and vii.
BOTANY, <sup>(2)</sup> . . . . .	The Structure and Life-history of Ferns as illustrated by the Male Fern ( <i>Aspidium Filix-mas</i> ). The Structure and Life-history of a Moss, e.g. <i>Funaria hygrometrica</i> . Scott: Pt. II., pp. 37-77, and 126-145.
GEOLOGY, <sup>(3)</sup> . . . . .	Watts' Geology for Beginners, chaps. i. to ix. inclusive, and xii.; or, the course lectured on by the Professor of Geology in Michaelmas Term.

## TRINITY EXAMINATION.

ZOOLOGY, <sup>(1)</sup> . . . . .	As before, with Beddard, chap. ix., and that part of chap. x. relating to skulls.
BOTANY, <sup>(2)</sup> . . . . .	The structure, life-history, and mode of nutrition of Fungi, as illustrated by the Mushroom ( <i>Agaricus campestris</i> ), and the seedling-blight ( <i>Pythium Baryanum</i> ). Scott: Pt. II., pp. 216-228, 266-271.
GEOLOGY, <sup>(3)</sup> . . . . .	Watts, chaps. xvi.-xxi. inclusive; or the Lectures of the Professor of Geology in Hilary Term.

## DEGREE EXAMINATION.

ZOOLOGY, <sup>(1)</sup> . . . . .	As before, with Beddard, chaps. xii., xiii., xiv.
BOTANY, <sup>(2)</sup> . . . . .	All the work of the Junior and Senior Sophister Years. The external characteristics, microscopic structure, &c., modes of nutrition and reproduction of Algæ, as illustrated by <i>Pelvetia canaliculata</i> and <i>Spirogyra longata</i> . The chief characteristics of the great subdivisions of the Vegetable Kingdom. Scott: Part ii., pp. 168-174, 189-201, and 290-306.
GEOLOGY, <sup>(3)</sup> . . . . .	Watts' Geology for Beginners. Parts specified for both Hilary and Trinity Examinations.

<sup>(1)</sup> Students are recommended to study in the Zoological Museum, as they are liable to be examined practically in such specimens as do not require the microscope for their recognition.

<sup>(2)</sup> Students are recommended to apply to the Professor of Botany for material illustrating the Course, as a practical acquaintance with the plants mentioned in the above Syllabus is indispensable.

<sup>(3)</sup> The Professor of Geology will, on application from the Student, give access to specimens illustrating the Course.

### 34. Courses in Italian and Spanish for Ordinary Examinations.

By permission of the Senior Lecturer, a student may be allowed to present Italian, Spanish, or Russian as a Modern Language at an ordinary Examination.

#### ITALIAN.

##### JUNIOR FRESHMEN.

*Hilary*.—D'Annunzio: Prose Scelte (Milan, Treves); Selections (apply to the Professor of Romance Languages for details).

*Trinity*.—Carducci: Antologia Carducciana (Bologna, Zanichelli); Selections (apply to the Professor for details).

*Michaelmas*.—Leopardi: Prose Morali (Florence, Sansoni); Dialoghi only.

##### SENIOR FRESHMEN.

*Hilary*.—Le Cento Migliori Liriche (Gowans and Gray).

*Trinity*.—Fogazzaro: Piccolo mondo antico.

*Michaelmas*.—Tasso: Gerusalemme liberata, cantos i-vi.

##### JUNIOR SOPHISTERS.

*Hilary*.—Dante: Inferno.

*Trinity*.—Dante: Purgatorio.

*Michaelmas*.—Dante: Paradiso.

##### SENIOR SOPHISTERS.

*Hilary*.—Giacosa: Il Conte rosso.

*Trinity*.—Poliziano: Le Stanze, L'Orfeo e le Rime.

*Degree*.—Tasso: L'Aminta. Carducci: Saggi sul Tasso.

#### SPANISH.

##### JUNIOR FRESHMEN.

*Hilary*.—Moratín: El Sí de las Niñas (Ginn).

*Trinity*.—Cervantes: El Licenciado Vidriera (ed. Peers, pub. Harrap).

*Michaelmas*.—Le Sage: Los Ladrones de Asturias (ed. Kirkpatrick, pub. Cambridge University Press).

##### SENIOR FRESHMEN.

*Hilary*.—V. Blasco Ibáñez: Capítulos Escogidos (ed. Woolf, pub. Harrap).

*Trinity*.—Cervantes: Don Quijote, Selections (ed. Ford, pub. Harrap).

*Michaelmas*.—Azorín: Al Margen de los Clásicos (Madrid, Residencia de Estudiantes).

##### JUNIOR SOPHISTERS.

*Hilary*.—Gil y Zárate: Guzmán el Bueno (ed. Primer, pub. Ginn).

*Trinity*.—Garcilaso de la Vega: Eglogas, Poesías Varias (Oxford University Press).

*Michaelmas*.—José de Armas: El Quijote y su Epoca (Madrid, Renacimiento).



## SENIOR SOPHISTERS.

*Hilary*.—Calderon : El Alcalde de Zalamea (ed. Geddes, pub. Harrap).

*Trinity*.—Calderon : La Vida es Sueño (ed. Comfort, pub. American Book Co., New York).

*Degree*.—Lope de Vega : La Moza de Cántaro ed. Stathers, pub. Henry Holt & Co., New York).

## 35. Honors and Prizes.

A number of Studentships, Scholarships, Exhibitions, Prizes, Honors, and Sizarships, are awarded each year to deserving Students, both in the Arts Course and in the Professional Schools. A summary of these is given further on ; see "Summary."

It is a condition precedent to the award of every Prize that sufficient merit must be shown.

Some of the Honors and Prizes specially connected with the regular Undergraduate Course are enumerated below. For further particulars concerning these and the other Prizes, see 'Honor Courses,' 'Scholarships,' 'Moderatorships,' and 'Special Prizes.'

*For Prizes obtainable in connexion with Entrance, see § 4.*

*Prizes obtainable at Lectures.*

In the Freshman years two premiums of the value of £1 10s. in books are awarded, one in each class, each Term, for proficiency in Classical Composition, on the recommendation of the Lecturer, to students who have attended not less than five-sixths of the Honor Lectures in Classics and in Classical Composition. No student can obtain more than one prize in any one academic year. Similar prizes are similarly awarded to students in French and to students in German.

The Professor of English Literature is authorized to recommend for two Prizes of the value of £1 10s. each in books, in Composition, the best Candidates among the Students attending his Class during the Term, one for Freshman Students and the other for Sophisters.

*Catechetical Premiums.*

Catechetical Premiums of the value of £2 in books are awarded in accordance with the conditions given under 'Catechetical Course.'

*Term Honor and Prize Examinations.*

In each Term, Examinations are held, at which Honors of the First and Second Rank are awarded to Candidates who exhibit sufficient merit. In Michaelmas Term, Prizes to the value of £4 and £2 are awarded to the Candidates who obtain First

and Second Honors respectively.<sup>a</sup> The successful Candidates can select Books, to the value of their Prizes, at the University Booksellers, and can have the College arms stamped on the covers of bound Books; in the case of Prizes in Experimental or Natural Science, Scientific Instruments, with an inscription thereon, may be substituted for books, if approved by the Senior Lecturer on the report of the Professor; or the successful Candidates may, on the recommendation of their Tutors to the Bursar, apply the amounts gained to the payment of their College Fees or Incidentals then due.<sup>b</sup>

The marks at certain of these Examinations count towards the Senior Exhibitions (see under 'Senior Exhibitions').

*Subjects of Honor and Prize Examinations.*

- |                                       |                                  |
|---------------------------------------|----------------------------------|
| (a) Mathematics.                      | (g) English Literature.          |
| (b) Classics.                         | (h) French.                      |
| (c) Mental and Moral<br>Philosophy.   | (i) German.                      |
| (d) Experimental Science.             | (j) Italian.                     |
| (e) Natural Science.                  | (k) Legal and Political Science. |
| (f) History and Political<br>Science. | (l) Old and Middle Irish.        |

No Student who has dropped a Class will be allowed to present himself, as a Candidate for Honors, at any Examination, in a subject in which he has previously obtained Honors at the corresponding Examination of the Class from which he has dropped.

All students desiring to compete at any Honor or Prize Examination in any Term are required to give notice to the Senior Lecturer, at least one fortnight before the last day of Lectures in the preceding Term, of the particular Examinations at which they intend to present themselves.

The dates of Honor and Prize Examinations in any Term are not given in the Almanac, but, after the required notices have

<sup>a</sup> The following Order of the Board with regard to the duties of the University Booksellers in Dublin, was made on May 20, 1843:

"It is ordered by the Board that the Students who obtain College Premiums may direct the College Booksellers to procure for them any suitable books as Premiums which continue to be offered for sale in the priced catalogues of London, Dublin, or Edinburgh, and at the prices marked in the said catalogues: and when the selling price of a book is recognised by the Trade as having fallen below the publication price, the College Booksellers are to supply the book at such recognised reduced price.

"This notice is to be printed and put in two conspicuous places in the Booksellers' Shop."

<sup>b</sup> Resolution adopted by the Board, May 14th, 1904:—

RESOLVED—"That within a fortnight after the returns of the Prizes or Premiums awarded at the Term Lectures or Term Examinations shall have been sent in to the Senior Lecturer or Catechist, any Student desirous of having his Prize or Premium utilised in the part payment of his Fees to College, shall send in his name to the Clerk of the Buttery, with the necessary authorization from his Tutor; and the Clerk of the Buttery shall send a list of these Students, with the money value of the Prize or Premium awarded to each, to the Bursar, and shall not send their names in the list of prizemen sent to Messrs. Hodges & Figgis.

"That after a Student's name has been sent to the College Booksellers, in the list or those to whom Prizes or Premiums in books have been awarded, he shall not be permitted to utilise his Prize or Premium in the payment of Fees."

been received, a programme is published before the end of the preceding Term.

In special cases the Senior Lecturer may (should it be found possible) admit to Honor or Prize Examinations Candidates who have given tardy notice fourteen days before the date of the Examination, on payment of a fine to be fixed by him, not exceeding 20s.

### *Moderatorship and Medal Examination.*

A Student who desires to graduate in Honors at the Degree may substitute one of the Moderatorship Examinations for the ordinary Degree Examination. Moderatorships are granted in groups of the subjects of the Honor Courses, and in Engineering Science.

Of the successful Candidates in the several departments, there are two ranks, called Senior and Junior Moderators.

The Senior Moderators receive gold medals, and the Junior Moderators silver medals; which are given to them publicly before the University, by the Chancellor or Vice-Chancellor, at the Commencements at which they are admitted to their Degrees. The first Senior Moderator in each department receives a large gold medal, if recommended by the Examiners and their recommendation be approved by the Board.

Prizes are also awarded to the Moderators in order of merit.

A Student who has dropped a Class after the Michaelmas Examination of the Junior Sophister year, or who has dropped more than one Class, will be allowed to compete at any of the Moderatorship Examinations, but, if successful, he will not be given a medal, nor will he be placed in order of merit amongst the Moderators, but will be added to the list as a Supplemental Moderator, Senior or Junior; and he will not be entitled to the Exhibition of £10, awarded to Scholars who become Senior Moderators (see under "Exhibitions awarded to Scholars").

A Student who would not be entitled to present himself at the ordinary Degree Examination until January, will not be permitted to compete for a Moderatorship unless he previously obtains the special permission of the Board.

A Student who fails in obtaining a Moderatorship may nevertheless be allowed the Degree on his answering at the Moderatorship Examination, provided a special recommendation to that effect be made by the Court of Examiners, and his name may then be placed at the foot of such class as the Senior Lecturer may determine.

No Student will be allowed to be a Candidate at the Moderatorship Examination unless his Fees for the current half-year shall have been paid before the first day of Examination.

All Candidates for Moderatorship are required to give notice to the Senior Lecturer of their intention to compete, stating the

Courses in which they desire to present themselves, and the Special Subjects (if any) which they are taking. This notice must be given on or before June 15th of the year in which they intend to compete.

The dates of each Moderatorship Examination are not published in the Almanac. The Senior Lecturer, after receiving the information required on *or before* June 15th, arranges the dates and periods of each Moderatorship Examination, and publishes them before the end of Trinity Term.

In arranging the time table for Moderatorship Examinations, care is taken to afford equal opportunities to candidates for Studentships.

It is the duty of the Courts of Examiners for the several Moderatorships to secure that in the case of alternative papers an approximately uniform standard shall be maintained.

A Student who has passed for his Degree, either at the ordinary Examination, or at a Moderatorship Examination at which he has failed to obtain a Moderatorship, will be allowed to compete for a Supplemental Moderatorship within two years. An extension of that period can be granted only by special permission of the Board.

A Graduate who has obtained a Moderatorship at his Degree shall be allowed to compete for a Supplemental Moderatorship in another subject in either of the two following years, he replacing his name for the Examination and paying the current half-yearly fee.



## Catechetical Course.

Provision has been made for the religious instruction of Students. Catechetical Lectures commence on the days specified in the University Almanac, at half-past nine o'clock, and are continued on Saturdays during Term at the same hour, for the two Freshman Classes only. Catechetical Examinations are held at the beginning of each Term (immediately after the Term Examinations) for the benefit of those Students who have not been resident during the preceding Term.

### *Rules relating to Catechetical Terms and Examinations.*

To get full credit for Catechetical Terms, with certificates of the same, four Terms are to be saved in the Freshman years, either by Lectures or by Examinations. Omitted Terms may be supplementalized in the Sophister years for special reasons to be approved of by the Catechist. In such cases credit for two Terms within the same College Term will only be given if one of the two is kept by Lectures and the other by Examination.

Parents and guardians who desire that students under their charge shall attend Catechetical Lectures or Examinations should notify the Catechist, who will inform them as to what lectures or examinations are attended.

To a Student who exhibits peculiar merit, either at Lectures or at an Examination, a Premium in books of the value of £2 is awarded, unless such a Premium has been previously obtained in the same year, in which case a Certificate is awarded instead.

The fact of having obtained a Prize in the earlier part of the year does not debar a Senior Freshman from being awarded one of the Prizes offered at the end of Trinity Term, or at the Michaelmas Examination.

Catechetical Lectures and Examinations are conducted by (a) Fellows of the College, being Members of the Church of Ireland; (b) Professors or Lecturers in the Divinity School; (c) Ministers nominated by the Presbytery of Dublin whose names have been submitted to and approved of by the Board; and (d) by any Presbyterian Fellow of the College appointed by the Catechist.

The Board of Trinity College are willing, on due application being made to them by the heads of other religious denominations, to make similar arrangements for the religious instruction of Students of such denominations.

*Subjects of Catechetical Examinations.*—The following Table contains the subjects of the Catechetical Lectures and Examinations:—

N. B.—The subjects printed in *Italics* are to be considered as additional for Honors, and are not required generally.

## JUNIOR FRESHMEN.

MICH. TERM AND HILARY EXAM.	{ The Gospel of St. Luke. The three other Gospels.
HILARY TERM AND TRINITY EXAM.	{ The Acts of the Apostles. Paley's <i>Horæ Paulinæ</i> (omitting xi-xv), and Stalker's <i>Life of St. Paul</i> .
TRINITY TERM AND MICH. EXAM.	{ "The Church Catechism Explained," by A. W. Robinson (Church of Ireland). The <i>Epistle to the Hebrews</i> (Church of Ireland). Dr. Alex. Whyte on the Shorter Catechism, Questions 82-107. (Presbyterian Church.) Godel's <i>Biblical Studies on the Old Testament</i> . Essays iv., v., vi. (Presbyterian Church.)

## SENIOR FRESHMEN.

MICH. TERM AND HILARY EXAM.	{ Genesis, and the first twenty chapters of Exodus. The remainder of Exodus, with the Books of Leviticus (chaps. 10, 14, 16, 23, 24, 25), Numbers, and Deuteronomy.
HILARY TERM AND TRINITY EXAM.	{ The two Books of Samuel, and first eleven chap- ters of first Book of Kings. The Books of Joshua, Judges, and Ruth.
TRINITY TERM AND MICH. EXAM.	{ The first Book of Kings, chap. 12 to end, and the second Book of Kings (Church of Ireland). The Books of Ezra, Nehemiah, Haggai, and Malachi. (Church of Ireland.) Lindsay, The Reformation, Parts i., ii., and iv. (Presbyterian Church.) Godel's <i>Lectures in defence of the Christian Faith</i> , Essays i., v., vi. (Presbyterian Church.)

A system of Catechetical Examinations is extended over the two Sophister years, and the Catechist is authorized to grant a special Certificate to Students who have passed with credit four of these Examinations, of which two at least must be in the Senior Sophister year, one being the Michaelmas Examination of that year.

The Catechist is authorized to extend his Premiums to the Sophister Classes.

## JUNIOR SOPHISTERS.

HILARY EXAM., . .	Epistles to the Ephesians and Colossians in Greek, and Revised Version. J. Armitage Robinson's <i>The Study of the Gospels</i> . (Church of Ireland.) Dr. James Moffatt's <i>Paul and Paulinism</i> . (Pres- byterian Church.)
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- TRINITY EXAM., . . . Epistle to the Romans in Greek, and Revised Version.  
Westcott's The Bible in the Church. (Church of Ireland.)  
Dr. David Brown's Handbook on the Epistle. (Presbyterian Church.)
- MICHAELMAS EXAM., First Epistle to the Corinthians in Greek, and Revised Version.  
Blunt's A History of the Christian Church during the First Three Centuries. (Church of Ireland.)  
Macpherson's Westminster Confession of Faith, Introduction and chaps i, ii, vi, and viii. (Presbyterian Church.)

SENIOR SOPHISTERS.

- HILARY EXAM., . . . Epistle to the Galatians in Greek, and Revised Version.  
Cur Deus Homo. (Church of Ireland.)  
MacGregor's Handbook on Galatians. (Presbyterian Church.)
- TRINITY EXAM., . . . Epistle to the Hebrews in Greek, and Revised Version.  
Perry's History of the Reformation in England.  
Jewel's The Apology of the Church of England. (Church of Ireland.)  
Davidson's Handbook on the Epistle to the Hebrews. (Presbyterian Church.)
- MICHAELMAS EXAM., The Minor Prophets in the Authorised and Revised Versions.  
(For Candidate Bachelors.) A. B. Davidson's Biblical and Literary Essays

## Admission of Women to Degrees.

### 1. Resolution passed by the Senate, June 9th, 1903 :—

“That it is desirable that Degrees in the University of Trinity College, Dublin, shall be opened to Women, and that His Majesty’s Government be requested to obtain a King’s Letter empowering the University to grant Degrees to Women on such terms and conditions as may seem to the Board and Council, within their respective provinces, on full consideration, to be most expedient.”

### 2. ROYAL LETTERS PATENT received January 16th, 1904 :—

EDWARD THE SEVENTH, by the Grace of God of the United Kingdom of Great Britain and Ireland and of the British Dominions beyond the Seas, King, Defender of the Faith, To all to whom these Presents shall come, Greeting.

Whereas, We are informed by the Provost and Senior Fellows of Our College of the Holy and Undivided Trinity of Queen Elizabeth near Dublin that the Senate of the University of Dublin have by a large majority prayed that the Degrees of the said University may be conferred upon Women, subject to the regulations and restrictions which the Provost and Senior Fellows of the College and the Senate of the University may hereafter agree to impose.

And whereas, when the Statutes were framed, there being no desire on the part of women to proceed to such Degrees, the wording of the Statutes did not explicitly include or exclude them.

And whereas, nevertheless, the Provost and Senior Fellows of the said College are advised that there are doubts whether the Charter and Statutes of the College can be so interpreted as to permit the conferring of Degrees on women, the words “*Studiosi*” and “*Studentes*” having hitherto and by long practice been interpreted to mean men only and not women.

And whereas they are, nevertheless, desirous to give effect to the resolution of the Senate, and to admit women to Degrees under the regulations and restrictions aforementioned.

Know ye, therefore, that We of Our special grace, certain and mere motion, with and by the advice and consent of Our Right Trusty and Right Well-beloved Cousin and Councillor William Humble, Earl of Dudley, Knight Grand Cross of the Royal



Victorian Order, Lieutenant General and General Governor of that part of Our said United Kingdom called Ireland, do by these Presents authorize and empower the said Provost and Senior Fellows and their successors in office and the said Senate of the University of Dublin and the Caput of the said Senate, and all the members thereof and all other persons or bodies whose concurrence is necessary for the granting of Degrees, to interpret the Statutes of the said College in such a manner that women may obtain Degrees in the said University, all previous laws, ordinances, and interpretations notwithstanding.

And We do hereby for Us, Our heirs and successors, grant and declare that these Our Letters Patent, or the enrolment or exemplification thereof, shall be in all things good, firm, valid, and effectual in law, according to the true intent and meaning of the same, and shall be constructed in all Our Courts in the most favourable and beneficial sense and for the advantage of the said College, anything to the contrary notwithstanding.

Provided always that these Our Letters Present be enrolled in the Record and Writ Office of our High Court of Justice in Ireland, Chancery Division, within the space of six calendar months next ensuing the date of these presents.

In witness whereof We have caused these Our Letters to be made Patent.

Witness William Humble, Earl of Dudley, Our Lieutenant General and General Governor of Ireland, at Dublin, the eighth day of December in the third year of Our reign.

3. Resolutions adopted by the Board on March 21, 1903, and modified on May 5, 1906:—

1. Women shall be admissible to all Lectures, Examinations, and Degrees in Arts, and in the Medical School.

2. All prizes in Arts and the Medical School, except Fellowship and Scholarship, shall be open to women.

3. Non-foundation Scholarships shall be instituted for women, and obtained on conditions similar to those formerly holding good for such Scholarships.

4. The fees for women, both in Arts and in the Medical School, shall be the same as those for men.

5. For Medical Lectures, the Professors of the Medical School shall make such arrangements, subject to the approval of the Board, as they may think best for the instruction of women, either separately or in conjunction with men.

6. Women shall practise Dissections separately from men.

Resolution adopted by the Board and Council on May 29 and June 1, 1907:—

“That Women shall be admissible to Lectures, Examinations, and Degrees in Law.”

The Board adopted on June 4, 1904, the following Resolution regarding Women Students:—

Women Students or Graduates of other Universities in which women are given full academic status, are entitled to every privilege granted to men of the same standing.

Resolution passed by the Board on June 30, 1920 :—

“That Women be admitted to Lecture Examinations and Degrees in Engineering.”

#### 4. SPECIAL REGULATIONS FOR WOMEN STUDENTS.

*(Formulated in Hilary Term, 1905 ; and subsequently amended and reworded.)*

As Women Students are now equally admissible with Men Students to Lectures, Examinations, and to the privilege of reading in the Library, they are equally subject to the College Discipline and Statutes ; and, in particular, they are required to observe the following regulations :—

1. All Women candidates for matriculation shall communicate with the Lady Registrar a week before the date of the Entrance Examination, and shall furnish her with satisfactory evidence of character.

2. Women Students shall inform the Lady Registrar at least a week before Lectures begin whether they propose to attend Lectures or not.

3. Women Students attending Lectures must reside either with their parents or guardians in town, or in Trinity Hall, unless by special leave from the Provost. Forms of application for the Provost's leave can be obtained from the Lady Registrar.

4. Rooms have been set apart in Nos. 5 and 6, Trinity College, for the use of Women Students. Their Examination Marks will be posted in these rooms. Women students are not admitted to the Senior Lecturer's Office except in special circumstances.

5. Except when entering or leaving College, Women Students shall wear their Academicals in the College Squares and Parks, unless accompanied by a chaperon.

6. Women Students are required to leave the College Precincts at 6 P.M.

7. Women Students shall not visit private rooms in College unless accompanied by a chaperon, or with the Provost's sanction in exceptional circumstances.

8. Those desiring private tuition will notify the Lady Registrar, who will arrange for it in rooms to be sanctioned by the Provost.

All general information as to Lectures, Examinations, and the Special Regulations for Women Students may be obtained from the Lady Registrar as well as from the Tutors. Her office, No. 5 Trinity College, is open daily during term. She will be responsible to the College for the due carrying out of the Regulations, and will act generally as adviser to the Women Students.

Miss Olive Constance Purser, M.A., was appointed Lady Registrar on June 22, 1918, on the resignation of Miss Lucy Penelope Gwynn, Lady Registrar, 1905 to 1918: Miss Elizabeth Margaret Cunningham, M.A., was appointed Warden of Trinity Hall on May 16, 1908.

## 5.

## TRINITY HALL.

## RESIDENCE FOR WOMEN STUDENTS.

In the year 1908 the house and grounds, now known as Trinity Hall, were acquired by the University, and established as the official residence for those Women Students who do not reside with their parents or guardians. The adjoining house and grounds were purchased in 1910 by John Purser Griffith, M.I.C.E., and Mrs. Griffith, and presented to the University, in memory of Frederick Purser, M.A., F.T.C.D. In the grounds, which are about 10 acres in extent, the Dublin University Ladies' Hockey and Tennis Clubs have their field and courts; and Trinity Hall thus serves as one of the centres for the use of all Women Students, whether resident or non-resident.

Trinity Hall has direct tramway connexion with Trinity College either by the Palmerston Park or by the Dartry Road line.

Fees for the term of ten weeks for full board and residence, with a study bedroom, are from £17 10s. to £21, according to the size of the room. There are a few double rooms, for which each of the joint-owners pays £17 10s.. Personal expenses, such as laundry, are not included in these fees.

Further particulars may be obtained from the Warden, Miss Cunningham, M.A., Trinity Hall, Dartry Road.

## Recognition of other Universities.

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### 1. Admission of Students from the Universities of Oxford and Cambridge.

STUDENTS in Arts, of the Universities of Oxford and Cambridge, desiring to become Members of the University of Dublin, will be allowed credit for their previous Academic attendance, according to the following rules (Resolution of the Board and Council, June 30, 1917):—

1. Students in Arts who have kept, by residence, two Terms at Oxford, and have passed Responsions, in "Stated Subjects," will be entitled to be placed in the Senior Freshman Class.

The same standing will be allowed to Cambridge Students who have kept, by residence, two Terms, and have passed the Previous Examination.

2. Students in Arts who have kept, by residence, four Terms at Oxford, and have passed the First Public Examination, will be entitled to be placed in the Junior Sophister Class, provided they qualify or have qualified in all the subjects of the Final Freshman Examination.

The same standing will be allowed to Cambridge Students who have kept, by residence, four Terms, and passed the Previous Examination.

3. Oxford Students who have kept, by residence, six Terms, and have passed the First Public Examination, will be entitled to be placed in the Senior Sophister Class, provided they qualify or have qualified in all the subjects of the Final Freshman Examination.

The same standing will be allowed to Cambridge Students who have kept six Terms, and passed both parts of the General Examination.

4. Students in Arts who have kept, by residence, nine Terms at Oxford, and have passed the First Public Examination, will be admitted to the Examination for the Degree of B.A., provided they qualify or have qualified in all the subjects of the Final Freshman Examination.

The same privilege will be allowed to Students who have kept nine Terms at Cambridge, and have passed both parts of the General Examination.

5. Students from Oxford or Cambridge desiring to be placed on the Books of Trinity College, Dublin, must produce, in addition to their Certificate of the Terms kept by residence, a Certificate of good conduct, signed by the Head of their College or Hall, or by the Censor of Non-Collegiate Students.



## 2. Recognition of Courses kept in other Universities.

(Resolutions passed by the Board and Council, March 12, 1910, and subsequently amended.)

1. That no Students or Graduates of any other University (excluding Oxford and Cambridge) should be allowed to take the B.A., unless they have kept at least two Academic years at T.C.D.

2. That no Student should be allowed to take any of the Degrees in Medicine, Surgery, and Midwifery, unless he has attended at least three years of the prescribed curriculum in the School of Physic, Trinity College.

3. That any Student who is a Bachelor or Master of Arts or a Bachelor of Science of a University recognized by the Board and Council may be allowed credit for the two Freshman years and the Final Freshman Examination; and that such Student should be allowed to have his name placed on the College books as a rising Junior Sophister, upon payment of the final fee of the Senior Freshman year.

If it should appear that any such Student has not studied, as part of the approved Courses in the University at which he has graduated, any of the compulsory subjects for the Final Freshman Examination, then the Senior Lecturer shall, except by special permission of the Board, require such Student to pass a qualifying examination in such subjects.

4. That the following Universities should be recognized under the foregoing rule, viz.:—the Universities of Aberdeen, Belfast, Birmingham, Bristol, Edinburgh, Glasgow, Leeds, Liverpool, London, Manchester, St. Andrews, Sheffield, Wales, the Royal University of Ireland, and the National University of Ireland.

## 3. Arrangements with Magee College, Londonderry.

Provisional arrangements, made in reply to an application from Magee College, passed the Board and Council on June 9, 1909, and were accepted by Magee College, on June 30, 1909. They were to be reconsidered at the end of five years, or sooner by consent of both parties.

They were reconsidered by the Board and Council on July 4, 1910, and are now as follows:—

1. On the completion of the two years' Course in Magee College in April, a Student of Magee College becomes eligible for the Final Freshman Examination in Trinity College in the following October, or in June, on payment of the October Fees by anticipation. On passing that Examination he may return to Magee for the third year's Course there; and after attending a Term of Lectures, and passing an Examination at the end of it, in the Junior Sophister Course of Trinity, will be credited with a Junior Sophister Term, and, on attending the Trinity Term of Lectures in Trinity College, will be credited with the Junior Sophister year.

2. A Student who wishes to postpone his Final Freshman Examination till the Supplemental Final Freshman Examination, after the completion of the third year's Course at Magee, will be allowed provisional credit for a Junior Sophister Term in Trinity, on attending the Lectures, and passing the Examination of the third year's Course in Magee, as in par. 1. The Term thus saved will be credited as a Junior Sophister Examination, when the Student shall have passed the Supplemental Final Freshman Examination, and full credit will be given for the Junior Sophister year on the same conditions as in par. 1.

3. The Senior Sophister year will be kept in Trinity College by keeping the Michaelmas or Hilary Term of Lectures in Trinity College. Students who keep the fourth year of the Magee Course at Magee College may obtain credit for a Senior Sophister Term by keeping the Lectures of Trinity Term in Trinity College.

4. The Degree Examination may be taken by any Moderatorship, or by the ordinary Examination in December, or, in special cases, at the Degree Examinations in June.

#### 4. Recognition of Arts Studies of certain Colonial and Indian Universities and Colleges.

The University of Dublin is prepared to recognize the Arts studies of the following Colonial and Indian Universities, and such others as the Board and Council may from time to time direct to be added to that list (Resolution of the Board and Council, March 10, 1900):—

The Universities of Agelaide, Allahabad, Bombay, Calcutta, McGill (Montreal), Madras, Melbourne, New Brunswick, New Zealand, Patna, The Punjab, Sydney, Tasmania, Toronto, King's College, Windsor, Nova Scotia.

The privileges in Arts granted to the Students of such Universities are as follows:—

Any Student producing the proper Certificates that he has passed two years in Arts studies at such Universities or Colleges, and has passed the Examinations belonging to that period, will be entitled to put his name on the College books as a Senior Freshman, or Student with one year's credit; with this reservation, that if it shall appear that the Course of Arts which he has pursued does not include all the subjects of the Junior Freshman year, the Senior Lecturer may require him to qualify by Examination in the omitted subject or subjects within one month after his name shall have been entered on the books.

To such Students the Entrance Fee, and the May half-yearly Fee of the Junior Freshman year, are remitted.

## Terms of Admission for South African Students.

### I.

1. Students who have passed the Matriculation Examination of any University in South Africa, including Latin, and either French, German, Dutch, or Greek, are allowed to enter Trinity College, Dublin, without further Examination.

2. Students who have passed the joint Matriculation Examination of the Universities in South Africa, in the subjects required by the General Medical Council<sup>a</sup> are permitted to enter Trinity College and to proceed with their Medical Course without further examination. Such Students, upon registering themselves in the School of Physic, are exempted from payment of the College Entrance Fee, provided they proceed as Medical Students of the First Collegiate Year.

3. A Student who has passed the Matriculation Examination, as in par. 2 above, and has also obtained credit for attendance for one year in Botany, Zoology, Chemistry, and Physics, including practical work, at any University or College in South Africa approved for this purpose by the Board and Council,<sup>b</sup> will be permitted, on production of the usual certificate to that effect, to present himself for the Preliminary Scientific Examination, and will keep his terms according to the rules in force for all Medical Students. To such Students the Entrance Fee and the May Fee of the First Year will be remitted.

4. Students who have passed in Botany, Zoology, Chemistry, or Physics at the first B.Sc. (Agriculture) Examination of any University in South Africa, are exempted from the corresponding portions of the Preliminary Scientific Examination. Such students, if they have credit for a six months' course of lectures in Anatomy and Dissections at the University of Cape Town, should they enter the Medical School in or before October, will be enabled to present themselves for the Intermediate Medical Examination, Part I, at the end of their second Medical year. Students to whom this section applies are subject to the same rules, in respect of terms and fees, as students dealt with in par. 3 above.

5. The students who have passed in Botany, Zoology, Chemistry, and Physics at the first B.Sc. (Agriculture) Examination of any University in South Africa, and have also obtained credit for the full courses of Anatomy and Physiology (including practical work) at the University of Cape Town, are accepted as Medical Students who have completed their second year of study, and may enter for the Intermediate Medical Examination, Part I,

<sup>a</sup> Including Latin.

<sup>b</sup> The University of Cape Town, the University of Stellenbosch, and the University of South Africa are approved under this rule by the Board and Council.



omitting Organic Chemistry. Such students are permitted to take Organic Chemistry in their Third Medical Year and at the Intermediate Medical Examination, Part II.

When such students have attended the lectures prescribed for medical students in Trinity Term (May-June), they may present themselves at the Final Freshman Examination, held at the close of the Second Collegiate Year, in the subjects required from all Medical Students; and they are granted the exemptions from fees laid down in II., par. 3 below.

Courses in Pathology and Bacteriology, both lectures and practical, taken at the University of Cape Town, are recognized by the Board and Council, it being understood that candidates for the Medical Degrees of the University of Dublin must spend at least three years' study in Dublin, and must pass the Intermediate Medical, Part I, and all subsequent Examinations.

## II.

1. A Student who has passed the Intermediate Examination of any University in South Africa, is permitted to present himself at the Final Freshman Examination, with exemption from those subjects in which he has already passed at the Intermediate Examination.

2. Students who have obtained credit for two full years of the Medical Course in the University of Cape Town, and have also passed the first B.Sc. (Agriculture) Examination, as in I, par. 5 above, may, when they have attended the lectures prescribed for medical students in Trinity Term (May-June), present themselves at the Final Freshman Examination in the subjects required from all medical students. But if such students have also passed the Intermediate Examination of the University of Cape Town, they are exempted both from attendance at the above-mentioned lectures in Trinity Term and, at the Final Freshman Examination, from such of the subjects required from medical students as they have already passed in at the Intermediate Examination.

3. The Entrance and half-yearly fees up to and including the half-yearly fee payable at the end of the Junior Freshman year are remitted in the case of every student holding the credits mentioned in either of the two preceding sections.

## III.

A Student who has passed the B.A. Examination of any University in South Africa, is permitted to put his name on the Books of Trinity College as a rising Junior Sophister, i.e., as a student who has obtained credit for the first two Collegiate years and for the Final Freshman Examination.

To such students the Entrance and half-yearly fees up to and including that payable in May of the Senior Freshman year are remitted.



Any Student who is a Bachelor of Science of any South African University is allowed credit for the two Freshman years and the First Freshman Examination, and such student is allowed to have his name placed on the College books as a rising Junior Sophister upon payment of the final fee of the Senior Freshman year.

If it should appear that any such student has not studied, as part of the approved courses in the University at which he has graduated, any of the compulsory subjects of the Final Freshman Examination, then the Senior Lecturer shall, except by special permission of the Board, require such student to pass a qualifying examination in such subjects.

#### IV.

In keeping their Terms, Students from South Africa are allowed to substitute Dutch for Greek, French, or German.

#### V.

### EXHIBITIONS AWARDED TO STUDENTS FROM SOUTH AFRICA.

The following scheme for awarding South African Exhibitions was adopted by the Board, for the year 1921.

1. The distribution of the South African Exhibitions shall be as follows:—

- (a) *Two* to be nominated by the University of Capetown.
- (b) *Two* to be nominated by the University of Stellenbosch.
- (c) *Two* to be nominated by the University of South Africa.

2. The nomination by each University shall be made before March 1st in each year. The Exhibitioner should join Trinity College before April 15th.

3. The Exhibitions shall be granted to Medical Students only (unless the Board of Trinity College shall in a special case determine otherwise).

4. For the purpose of these Exhibitions Students of other Colleges, who afterwards join the University of Capetown, shall be regarded as Students of the University of Capetown.

5. Exhibitioners will be expected to take the Degree of M.D. (unless specially exempted), and in the matter of hospital attendance and otherwise to comply with the directions given by the authorities of Trinity College.

6. The value of these Exhibitions shall be £150 if three years of the Medical Education are taken in Trinity College, £175 if four years, and £200 if the whole Medical Course is taken in Trinity College.

7. The first payment of an Exhibition is made at the end of the first quarter after the Exhibitioner has joined Trinity College.

8. Exhibitioners must reside in College, unless expressly exempted by the Provost.

9. No person shall be disqualified for nomination to an Exhibition by reason of his holding any Exhibition or Scholarship in South Africa.

### **Exhibition awarded to Graduates in Medicine of Melbourne University.**

By order of the Board of Trinity College, Dublin (dated 20th April, 1918), the University of Melbourne is entitled to nominate one of its medical graduates to an exhibition of £100, with rooms, rent free for six months, in Trinity College, intended to defray, in part, the expenses incurred in obtaining the Diploma in Gynæcology and Obstetrics granted by the University of Dublin. This regulation will hold for one such graduate in each of the five years beginning October, 1918.

The Regulations for the Diploma and the fees payable in connexion with it are given under that heading.

During, or at the end of, his course of instruction the exhibitor is eligible for election to the post of External Maternity Assistant at the Rotunda Hospital, and, at the end of his course, for the post of Assistant Master.

The fee in Trinity College entitles the exhibitor to all privileges enjoyed by students of the University, including attendance on lectures in the Arts Faculty, and enables him to join any College Society.

## Honor Courses.

STUDENTS may become Candidates for Honors in the following subjects, at each Term Examination in the Undergraduate Course:—

- JUNIOR FRESHMEN,** . Mathematics; Classics; Experimental Science; History; English Literature; French; German; Italian.
- SENIOR FRESHMEN,** . Mathematics; Classics; Mental and Moral Philosophy; Experimental Science; History; English Literature; French; German; Italian.
- JUNIOR SOPHISTERS,** . Mathematics; Classics; Mental and Moral Philosophy; Experimental Science; Natural Science; History and Political Science; Modern Literature; Legal and Political Science.
- SENIOR SOPHISTERS,** . Mathematics; Classics; Mental and Moral Philosophy; Experimental Science; Natural Science; Legal and Political Science.

A Prize Examination is held in Mental and Moral Philosophy in the Michaelmas Term of the Junior Freshman year; Prize Examinations are also held in Natural Science, and in Old and Middle Irish in the Michaelmas Term of the Senior and Junior Freshman years; and a Prize Examination in Celtic Languages in the Michaelmas Term of the Junior Sophister year.

At the B. A. Degree Examination, Students may graduate in Honors in ten subjects, viz.:—

Mathematics.  
Classics.  
Mental and Moral Philosophy.  
Experimental Science.  
Natural Science.  
History and Political Science.  
Modern Literature.  
Legal and Political Science.  
Engineering Science.  
Celtic Languages.

The regulations by which the rank and value of the various Honors and Prizes are determined have been already given (see above, under the head "Honors and Prizes").

## § I.—MATHEMATICS.

[The books recommended by the Mathematical Committee are printed on a separate leaflet.

Credit will be given for style and neat arrangement of answers.

Candidates are expected to bring into the hall books of tables and Mathematical instruments. A practical paper will be set in each Freshman Term.

In Michaelmas Term a general paper will be set covering all the preceding Honor Course.]

## JUNIOR FRESHMEN.

## MICHAELMAS LECTURES AND HILARY EXAMINATION.

*Geometry*.—Elementary theory of maxima and minima, mean centres, transversals (including harmonic and anharmonic ratios), poles and polars, inversion, coaxal circles, projection.

Geometrical treatment of the general focal properties of conics, with particular application to the ellipse and parabola.

Drawing of graphs.

*Algebra*.—Arithmetical and geometrical progressions; scales of notation; surds; quadratic equations and simultaneous equations of the second degree; permutations and combinations; binomial theorem for a positive integral index.

*Trigonometry*.—To the end of solution of plane triangles; use of logarithms; numerical solution of triangles.

## HILARY LECTURES AND TRINITY EXAMINATION.

*Geometry*.—Cartesian equations of right line and circle. Graphic solution of equations.

*Algebra*.—Elementary convergence of series, binomial theorem, logarithms, exponential and logarithmic series, partial fractions, elementary continued fractions, algebraic series, relation between the roots and coefficients of a rational integral algebraic equation. Elementary symmetric functions.

*Trigonometry*.—De Moivre's theorem. Exponential forms of trigonometrical functions. Trigonometrical series. Expression of trigonometrical functions by infinite products.



## TRINITY LECTURES AND MICHAELMAS EXAMINATION.

*Geometry.*—Cartesian equations of the general conic, and of central conics and parabola in their simplest forms.

*Spherical Trigonometry.*—Relation between the sides and angles of a spherical triangle, radii of inscribed and circumscribed circles; spherical excess.

*Algebra.*—Theory of convergence of series (continued), rational and irrational numbers, the continuum.

*Differential Calculus.*—Continuity and discontinuity of functions; limits of functions; differential calculus to the end of Taylor's theorem for one variable.

*Integral Calculus.*—Elementary integration; integration between limits.

*Elementary Mechanics.*—Laws of motion; composition and resolution of velocities, accelerations, and forces; equilibrium under coplanar forces; polygon of forces; simple applications of graphic methods; simple machines; work and energy.

## SENIOR FRESHMEN.

## MICHAELMAS LECTURES AND HILARY EXAMINATION.

*Algebra.*—Elementary determinants.

*Differential Calculus.*—Maxima and minima of functions of one variable; partial differentiation; elementary application of the differential calculus to plane curves (tangents, normals, curvature).

*Integral Calculus.*—Integration of rational functions; integration by successive reduction; elementary application of the integral calculus to areas and lengths.

*Statics.*—Equilibrium under coplanar forces, excluding friction; virtual work.

*Dynamics.*—Rectilinear motion of a particle; harmonic motion; projectiles; constrained uniplanar motion under gravity.

## HILARY LECTURES AND TRINITY EXAMINATION.

*Differential Calculus.*—Calculation of the effects of small errors; successive partial differentiation; extension of Taylor's theorem to several variables; asymptotes; plotting of curves; envelopes.

*Integral Calculus.*—Integration by rationalization; areas and lengths of curves.

*Analytical Geometry.*—The plane and right line in rectangular Cartesian co-ordinates.

*Statics.*—Equilibrium of bodies under coplanar forces, including the general theory of friction; graphic statics; application of the calculus to finding centres of gravity.

*Dynamics.*—Motion of a particle under a central force.

## TRINITY LECTURES AND MICHAELMAS EXAMINATION.

*Analytical Geometry.*—Central quadrics in rectangular Cartesian coordinates.

*Differential Equations.*—Equations of first order, and linear equations with constant coefficients (two variables).

*Attractions.*—Elementary theory of attraction and potential for particles; uniform plane and spherical distributions of matter; tubes of force.

*Integral Calculus.*—Elementary theory of multiple integrals, with applications to the determination of volumes and surfaces, and centres of gravity of solids.

*Algebra.*—Solution of cubic and biquadratic: symmetric functions; Sturm's theorem; Horner's method of approximation.

*Dynamics.*—Constrained motion of a particle; motion of a particle in a resisting medium.

## JUNIOR SOPHISTERS.

## MICHAELMAS LECTURES AND HILARY EXAMINATION.

*Geometry.*—Confocal quadrics; general theory of surfaces in rectangular Cartesian coordinates; curvature of surfaces and twisted curves.

*Trigonometry.*—Exponential and Logarithmic series for complex variable.

*Differential Equations.*—Well-known miscellaneous methods, homogeneous equations, exact equations, ordinary linear differential equations (two variables).

*Integral Calculus.*—Integrals of inertia; reduction of elliptic integrals to normal forms.

*Dynamics.*—General principles, energy, momentum; motion of a rigid body parallel to a fixed plane.

*Statics.*—General equations of equilibrium in three dimensions; wrenches; equilibrium of strings under coplanar forces.

## HILARY LECTURES AND TRINITY EXAMINATION.

*Geometry.*—Torsion of curves; homogeneous equations of curves and surfaces.

*Differential Equations.*—Integration by series of Legendre's and Bessel's equations; Riccati's equation; the differential equation satisfied by the hypergeometric series.

*Attractions.*—General theory of potential, Green's theorem, elementary applications of spherical harmonics, inversion, images. (Attraction of quadrics excluded.)

*Hydrostatics.*—Pressure at a point, resultant pressure over areas, general equations of equilibrium, equilibrium of floating bodies when the fluid is at rest or rotating as a rigid body.

[End of Scholarship Course.]

#### TRINITY LECTURES AND MICHAELMAS EXAMINATION.

*Differential Equations.*—Total differential equations and simultaneous equations.

*Analysis.*—Complex variable; theory of power series; absolute convergence; uniform convergence; Riemann's theory of integration for real variables.

*Dynamics.*—Motion of a rigid body in three-dimensions, screws, Euler's equations.

#### SENIOR SOPHISTERS.

#### MICHAELMAS LECTURES AND HILARY EXAMINATION.

*Differential Equations.*—Partial differential equations of the first order, Lagrange's and Charpit's methods.

*Analysis.*—Fundamental properties of analytic functions; Taylor's, Laurent's, and Liouville's theorems; residues, with simple applications to the evaluation of definite integrals; asymptotic expansions.

*Dynamics.*—Lagrange's generalized equations of motion; small oscillations.

*Attractions.*—Attractions of quadrics.

#### HILARY LECTURES AND TRINITY EXAMINATION.

*Geometry and Algebra.*—Invariants and covariants of the binary cubic and binary quartic. Invariants and covariants of homogeneous quadratic forms in three variables.

*Higher Analysis.*—Fourier's series, elementary properties of gamma-functions, of Legendre's and Bessel's functions, and of spherical harmonics.

*Hydrodynamics.*—Fundamental property of a fluid, Euler's and Lagrange's forms of the equations of motion, Weber's transformation; steady motion; velocity potential, Stokes' theorem, irrotational motion in simply connected and multiply connected regions, Green's theorem; sources and sinks, images; stream function in two dimensions; motion of a circular cylinder in an infinite liquid; vessel in the shape of an elliptic or equilateral prism rotating uniformly; motion of a sphere in an infinite liquid; Stokes' stream-function; vortex motion, expression of velocities in terms of expansion and rotation, velocity potential due to a vortex, vortex sheets; rectilinear vortices.

## TRINITY LECTURES.

*Higher Analysis.*—Doubly periodic functions, elementary properties of the functions  $\sigma(u)$ ,  $\zeta(u)$ ,  $p(u)$ ,  $\operatorname{sn}(u)$ ,  $\operatorname{cn}(u)$ ,  $\operatorname{dn}(u)$ .

*Elasticity.*—Heterogeneous strain, heterogeneous stress; expressions of stress in terms of strain, strain-energy-function; equations of equilibrium; spherical shells under uniform normal pressure; cylindrical shells under uniform surface-tractions; torsion of a prism when the cross-section is an ellipse, an equilateral triangle, or a rectangle; equilibrium of thin beams assuming the bending moment proportional to the curvature, equation of three moments.

## § 11.—CLASSICS.

The principle on which the Honor Examinations in Classics are conducted is to test the proficiency of the Student on the following points:—

First. As to his minute and critical knowledge of certain defined portions of the Greek and Latin authors.

Secondly. As to his general and independent knowledge of the Greek and Latin languages, and their literature, to be proved by his ability to write an accurate version of passages from the prescribed Honor Course, and also from Classical works not prescribed; as well as to answer, in writing, general questions connected with the languages, and their literature.

Thirdly. As to his power of expressing the full meaning and force of an ancient author, by writing such a translation of a given passage as may deserve commendation, not merely for its correctness as a version of the original, but for its excellence as a piece of English Composition.

With these objects in view, the manner of conducting the Classical Honor Examinations is as follows:

1. Candidates for Honors will be separately examined, *vivâ voce*, in the portions of the Honor Course marked in Italics in the following Table.

2. Passages will be proposed for written translation, taken from the works of the Greek and Latin writers named in the following Table:—

## JUNIOR FRESHMEN.

MICH. LECT. AND HILARY EXAM.	{ Euripides:— <i>Medea</i> , <i>Bacchae</i> ; Hercules Furens.
	{ Horace:— <i>Odes</i> , <i>Epodes</i> , <i>Carmen Seculare</i> .
	{ Ovid's <i>Heroides</i> , edited by Palmer (Clarendon Press), I.—XIV., inclusive.



- HILARY LECT. AND TRINITY EXAM. { Homer:—*Odyssey*, Books VI. IX. XXI. XXII.;  
Odyssey, Books X.—XVII., inclusive.  
Virgil, *Æneid*, Books I., II., III., V.; *Æneid*,  
Books IV., VI., VII.
- TRINITY LECT. AND MICH. EXAM. { Herodotus:—*Books* I. VIII.; Books VI. VII.  
Livy:—*Books* XXI. XXII. XXIII.; Books XXIV.  
XXV.

## SENIOR FRESHMEN.

- MICH. LECT. AND HILARY EXAM. { Plato:—*Apologia Socratis*, *Gorgias*; *Phaedo*.  
Cicero:—*Pro Milone*, *Philippic* II; *Cicero in*  
*his Letters* I.—XXXIII.; Cicero in his Letters,  
XXXIV.—LXXX. (Tyrrell's Edition, published  
by Macmillan).
- HILARY LECT. AND TRINITY EXAM. { Sophocles:—*Ajax*, *Antigone*; *Philoctetes*.  
Plautus:—*Trinummus*, *Miles*; *Captivi*.  
Terence:—*Phormio*.
- TRINITY LECT. AND MICH. EXAM. { Homer:—*Iliad*, Books XXI.—XXIV., inclusive;  
*Iliad*, Books XIII.—XX., inclusive.  
Virgil:—*Æneid*, Books IV. VI. VIII. IX.; *Æneid*,  
Books VII. X. XI. XII.  
Ovid:—*Metamorphoses*, Book XIII.

## JUNIOR SOPHISTERS.

- MICH. LECT. AND HILARY EXAM. { Thucydides:—*Books* I. VII.; Books III. IV.  
Tacitus:—*Agricola*; *Histories*, Books I. II.  
*Histories*, Books III. IV.
- HILARY LECT. AND TRINITY EXAM. { Demosthenes:—*Olynthiacs*, *Philippic* I., *De*  
*Corona*.  
Aeschines:—*In Ctesiphontem*.  
Juvenal:—*Satires* I. III. IV. VII. VIII. X. XIII. XIV.  
Persius:—*Satires* I. II. III. V. VI.
- TRINITY LECT. AND MICH. EXAM. { Aeschylus:—*Prometheus Vincetus*; *Agamemnon*,  
*Septem contra Thebas*.  
Lucretius:—*Books* I. II.; Books III. V. VI.  
Horace:—*Satires*.

## SENIOR SOPHISTERS.

- MICH. LECT. AND HILARY EXAM. { Aristotle:—*Nicomachean Ethics*, Books II. VI.;  
*Nicomachean Ethics*, Books I. III. IV. V.  
Cicero:—*De Officiis*; *De Finibus*, Books I. II.  
III.; *Tusculan Disputations*, Book I.
- HILARY LECT. AND TRINITY EXAM. { Plato:—*De Republica*, Books I. II. III.; *De Repub-*  
*lica*, Books IV. V.  
Virgil:—*Eclogues* and *Georgics*.  
Horace:—*Epistles*, including the *Art of Poetry*.

3. One or more passages will also be proposed for written translation from the *other* works of Greek or Latin Prose or Poetical authors specified for each Examination, with a view of testing the Candidate's general knowledge of the languages.

4. Papers of questions will be proposed in Ancient History and Geography, Grammar, and General Literature, and also subjects for Composition in Greek and Latin Prose, Greek and Latin Verse.

5. During the first three years, Candidates for Honors will be regularly lectured and examined in definite portions of Ancient History, Literature, or Philology; and, at each Examination, the Candidates will be liable to be examined in the portions appointed for the previous Examinations.

The following Table shows the prescribed Courses in History and Literature until further notice:—

#### JUNIOR FRESHMEN.

##### HILARY EXAMINATION.

- Greek*, . Mahaffy's Greek Literature, vol. i., chaps. 14 to 17.  
*Roman*, . Tyrrell's Latin Poetry, chaps. 1 to 7.

##### TRINITY EXAMINATION.

- Greek*, . Mahaffy's Greek Literature, vol. i., chaps. 1 to 5.  
           Bury's History of Greece, chaps. 1, 2.  
*Roman*, . Sellar's Virgil, chaps. 2, 3, 8, to 11.

##### MICHAELMAS EXAMINATION.

- Greek*, . Mahaffy's Greek Literature, vol. ii., chaps. 1, 2.  
           Bury's History of Greece, chaps. 3 to 8.  
*Roman*, . How and Leigh's History of Rome, chaps. 17 to 30.

#### SENIOR FRESHMEN.

##### HILARY EXAMINATION.

- Greek*, . Bury's History of Greece, chaps. 9 to 11.  
*Roman*, . How and Leigh's History of Rome, chaps. 31 to 52.

##### TRINITY EXAMINATION.

- Greek*, . Bury's History of Greece, chaps. 12 to 15.  
*Roman*, . How and Leigh's History of Rome, chaps. 1 to 17.  
           Tyrrell's Latin Poetry, chaps. 1, 2.

##### MICHAELMAS EXAMINATION.

- Greek*, . Bury's History of Greece, chaps. 1 to 8.  
*Roman*, . Bury's Student's Roman Empire, chaps. 1 to 13.  
           Merivale's History of the Romans under the Empire,  
           chapters 40 and 41.  
           Tyrrell's Latin Poetry, chap. 5.

## JUNIOR SOPHISTERS.

## HILARY EXAMINATION.

- Greek*, . Mahaffy's Greek Literature, vol. II., chaps. 4, 5.  
 Bury's History of Greece, chaps. 9 to 15.  
*Roman*, . Bury's Student's Roman Empire, chaps. 14 to 21.

## TRINITY EXAMINATION.

- Greek*, . Bury's History of Greece, chaps. 16 to 18.  
*Roman*, . Bury's Student's Roman Empire, chaps. 14 to 25.  
 Tyrrell's Latin Poetry, chaps. 7, 8.

## MICHAELMAS EXAMINATION.

- Greek*, . Mahaffy's Greek Literature, vol. I., chaps. 15, 16.  
 Haigh's Attic Theatre.  
*Roman*, . Bury's Student's Roman Empire, chaps. 26 to end.  
 Tyrrell's Latin Poetry, chaps. 1 to 8.

## § III.—MENTAL AND MORAL PHILOSOPHY.

In addition to questions from the books recommended, candidates will be examined in their general knowledge of the subject, period, or school under study.

## JUNIOR FRESHMAN YEAR.

## TRINITY LECTURES AND MICHAELMAS EXAMINATION.

**Logic.**

Course of reading recommended:—

Keynes' *Logic* (Fourth Edition), Introduction, Part i; Part ii, Chaps. 2, 3, 4, 5, 9, 10; Part iii, Chaps. 1-6, 8, 10.

## SENIOR FRESHMAN YEAR.

## MICHAELMAS LECTURES AND HILARY EXAMINATION.

**Logic.**

Course of reading recommended:—

Keynes' *Logic*, as in Junior Freshman Honor Course.  
 Joseph's *Introduction to Logic*, Chaps. 17-25.  
 Bacon's *Novum Organum*, Bk. i.

## HILARY LECTURES AND TRINITY EXAMINATION.

**Psychology.**

Course of reading recommended:—

Höffding's *Psychology*.

## TRINITY LECTURES AND MICHAELMAS EXAMINATION.

**Modern Pre-Kantian Intellectualism.**

Course of reading recommended :—

Descartes' *Meditations*.

Leibniz' *Monadology* and *New System* (with *Explanations*).

Spinoza's *Ethics*, Bks. i and ii.

## SOPHISTER COURSE.

Each term special attention is given to some period or school of Philosophy.

In each period the corresponding portions in Schwegler's *History of Philosophy* and either A. K. Rogers' *Student's History of Philosophy*, or Alexander's *Short History of Philosophy*, should be consulted.

In addition to questions from the books recommended, general and critical questions will be asked ; and Candidates should study the books from this point of view.

## JUNIOR SOPHISTER YEAR.

## MICHAELMAS LECTURES AND HILARY EXAMINATION.

**English Pre-Kantian Philosophy.**

Course of reading recommended :—

Locke's *Essay Concerning Human Understanding*, Introduction, and Bks. ii and iv.

Berkeley's *Principles of Human Knowledge*.

Hume's *Enquiry Concerning Human Understanding*.

## HILARY LECTURES AND TRINITY EXAMINATION.

**The Philosophy of Kant.**

Course of reading recommended :—

Kant's *Kritik of the Pure Reason*, to the end of the *Analytic*.

## TRINITY LECTURES AND MICHAELMAS EXAMINATION.

**The Philosophy of Kant.**

Course of reading recommended :—

Kant's *Kritik of the Pure Reason*, the *Dialectic* and *Methodology*.

## SENIOR SOPHISTER YEAR.

## MICHAELMAS LECTURES AND HILARY EXAMINATION.

**Ancient Ethics.**

Course of reading recommended :—

Plato's *Republic*.

Aristotle's *Ethics*.



## HILARY LECTURES.

## Modern Ethics.

Course of reading recommended :—

Kant's *Fundamental Principles of the Metaphysic of Morals*.

Kant's *Kritik of the Practical Reason*.

Butler's *Sermons* and *Nature of Virtue*.

Spencer's *Data of Ethics*.

Sorley's *Ethics of Naturalism*.

## TRINITY LECTURES.

## The Philosophy of Hegel.

Course of reading recommended :—

Hegel's *Subjective Logic*, Introductory Chapters and Section 1.

## § IV.—EXPERIMENTAL SCIENCE.

Candidates in Experimental Science are required to answer in two Courses, one in Experimental Physics, the other in Chemistry, and also in a Course in Mathematics in the Freshman Years.

The following Syllabus is intended to indicate the general lines on which the Lectures and practical work will be arranged. The Examination in each Term will be more especially upon the work of the preceding Term, but at the same time Students will be liable for any of the previous work.

## JUNIOR FRESHMEN.

## HILARY EXAMINATION.

*Course in Mathematics.*

Elementary statics, dynamics, and hydrostatics.

*Course in Experimental Physics.*

Methods of accurate measurement of length, area, volume, time, mass, and pressure. Plotting of curves; the slope and area of curves. Laws of motion, acceleration due to gravity, simple pendulum. The simple machines. Laws of friction. Momentum and energy. Boyle's Law. Principle of Archimedes. Measurement of densities and atmospheric pressure. Expansion of substances due to heat. Air and liquid in glass thermometers. Calorimetry. Specific and latent heats.

*Practical Work.*—Vernier, micrometer screw, spherometer, planimeter, densities of solids, liquids, and gases, simple pendulum, acceleration due to gravity. Coefficients of expansion. Water equivalent of calorimeter. Specific heat of a solid and latent heats of liquefaction of ice, and of steam.

*Course in Inorganic Chemistry.*

Physical and chemical changes; elements and compounds. Hydrogen. Boyle's law; Gay Lussac's law; diffusion; electrolysis. Oxygen; combustion; classification of oxides. Water, its composition and properties. Law of definite proportions; equivalents. Hydrogen peroxide; ozone. Law of multiple proportions; atomic theory; symbols, formulæ, and chemical equations; Gay Lussac's law of volumes; Avogadro's hypothesis; densities of gases and molecular weights. The atmosphere; nitrogen; ammonia; oxides and oxyacids of nitrogen; acids; bases and salts; valency. Preparation and properties of carbon, the halogens, sulphur, phosphorus, silicon, boron, and of their chief compounds. Oxidising and reducing agents. Rational formulæ.

*Practical Work.*—Systematic qualitative analysis of salts for negative radicals only. The experimental verification of equations expressing simple interactions, and involving accurate weighings with the chemical balance.

## TRINITY EXAMINATION.

*Course in Mathematics.*

Axes of coordinates. Graphs. Form of curves given by Cartesian Equation of first and second degree. Infinitesimals, limiting values, differential coefficients, differentiation of algebraic, trigonometrical, logarithmic, and exponential expressions.

*Course in Experimental Physics.*

Magnets and lines of magnetic force. Laws of magnetic force and fields of force due to magnets. Moments of magnets. Magnetic effects of electric currents. Tangent galvanometer. Ammeters for measurement of electric currents. Heat-production by electric current, and calculation of electric pressures. Current-voltmeters for measurement of pressures. Electric power measurement. Ohm's Law—measurement of resistance.

*Practical Work.*—Lines of magnetic force. Field on axis of small magnet. Comparison of magnetic moments. Tangent galvanometer. Standardization of ammeters. Pressure by heating effect. Variation of current with resistance. Battery pressure. Resistances in series and parallel by post-office box. Specific resistance.

*Course in Inorganic Chemistry.*

Atomic weights; specific heats of solid elements; isomorphism; the periodic arrangement of the elements. Metals and non-metals; preparation and properties of the commonly occurring metals, and of their chief compounds.

*Practical Work.*—Qualitative analysis as before. Experimental verification of equivalents of elements, and of basicity and molecular weights of acids.

## MICHAELMAS EXAMINATION.

*Course in Mathematics.*

Differentiation of higher orders than first. Taylor's theorem. Fundamental principles of Integral Calculus. Integration of simple forms.

Application of calculus to determination of slope, and area of curves, and determination of equation of tangent and normal. Elementary geometrical optics.

*Course in Experimental Physics.*

Simple vibration. Harmonic motion. Vibrations of particles and bodies. Wave motion. Echo resonance. Strings and pipes. Musical intervals. Laws of reflection and refraction by light. Mirrors and lenses. Telescopes and microscopes. Explanation of waves.

*Practical Work.*—Vibrations of strings by sonometer. Wave-length by resonance siren. Plotting rays for convex and concave mirrors. Parallax method for concave mirror. Index of refraction of glass block. Index of refraction of prism by position of minimum deviation. Focal lengths of lenses.

*Course in Inorganic Chemistry.*

Inorganic Chemistry as before.

*Practical Work.*—Qualitative analysis as before. Preparation of some chemical compounds by processes involving crystallization, &c.

## SENIOR FRESHMEN.

## HILARY EXAMINATION.

*Course in Mathematics.*

Centrifugal forces. Simple harmonic motion. Simple pendulum. Angular velocity. Moment of momentum and kinetic energy of rotating bodies. Physical meaning of moment of inertia. Motion of particle in a vertical circle. Application of calculus to determination of centres of gravity, centres of pressure, and moments of inertia.

*Course in Experimental Physics.*

General properties of solids, liquids, and gases. Elementary discussion of kinetic theory. Diffusion. Surface tension. Young's Modulus. Moments of inertia. Ballistic pendulum. Torsion. Compound pendulum. Thermometry. Calorimetry. Fusion and evaporation. Saturated vapours. Hygrometry. Mechanical equivalent of heat. Elementary study of conductivity, diffusivity, and radiation.

*Practical Work.*—Surface tension of water. Young's Modulus. Velocity of a bullet. Compound pendulum. Moment of inertia and torsional rigidity. Specific heats (solids and liquids), and latent heat of water and steam, with corrections for radiation, &c. Wet and dry bulb, and Crova's hygrometers. Measurement of mechanical equivalent of heat, mechanically and electrically.

*Course in Chemistry.*

The History of Chemistry:—Aristotle; the Alchemists; Robert Boyle; theories of combustion, Boyle, Mayow, Becher, Stahl, Lavoisier; the work of Black, Cavendish, Priestley, Bergmann, Schelle, Lavoisier, Berthollet, Proust, Richter; Dalton's atomic theory and older theories; equivalents; Gay Lussac's law of volumes; Avogadro's hypothesis; molecular and atomic weights. Elementary Chemistry of the non-metals and metals as before.

*Organic Chemistry.*—Destructive distillation of wood; hydrolysis of cellulose and of starch; isomerism; fermentation; constitution and properties of methyl alcohol and of ethyl alcohol; limited oxidation of alcohols; acetic acid and formic acid; esterification and saponification; properties of the acids of the acetic series; different types of alcohols; the paraffinoid hydrocarbons.

*Practical Work.*—Complete qualitative analysis of single salts soluble in water. Volumetric analysis; alkalimetry and acidimetry; preparation of normal sulphuric acid; use of indicators.

## TRINITY EXAMINATION.

*Course in Mathematics.*

Elementary partial differentiation. Motion of centre of inertia of a system of masses. Problems on conservation of momentum, moment of momentum and energy. Differential equation of simple harmonic motion, and application to cases of bodies moving with simple harmonic motion.

*Course in Experimental Physics.*

Terrestrial magnetism, dip, declination, and force. Accurate measurement of current, pressure, and resistance. Electrolysis. Chemical batteries. Polarization. Electro-magnetism and laws of electro-magnetic induction. Bells, telegraphs, telephones. Elementary treatment of dynamos, motors, magneto. Induction coils.

*Practical Work.*—Moment of magnet and horizontal component or Earth's magnetic force. Dip. Standardization of ammeter by copper voltameter. Potentiometer measurements for pressure, current, and resistance. Standardization of voltmeters. Specific resistance of electrolyte. Standardization of sensitive galvanometer for continuous current. Pressure and power curves for dynamo and motor.

*Course in Chemistry.*

The Chemistry of the non-metals more fully considered. Hydrogen; the halogens; dissociation; electrochemical character of the elements; exothermic and endothermic reactions; heat of formation of compounds; oxidising and reducing agents. The oxygen group of elements; catalytic action; liquefaction of gases; allotropic forms of oxygen and sulphur; acid forming sulphides, basic sulphides, and persulphides; compounds of elements of the oxygen group; compound radicals; constitutional formulæ; valency. The elements of the nitrogen group and their compounds. The inert gases. Carbon and silicon; boron.



*Organic Chemistry.*—Preparation and general properties of aldehydes and ketones. Preparation and properties of acid amides; constitution of hydrocyanic acid; amino-acids; preparation of amines; distinction between the different types of amines and quaternary bases. Organo-metallic derivatives.

*Practical Work.*—Determination of molecular weights of organic acids and bases. Volumetric analysis involving the use of oxidising and reducing agents. Complete qualitative analysis of single inorganic salts soluble in water or in acids.

### MICHAELMAS EXAMINATION.

#### *Course in Mathematics.*

Attractions. Inverse square law. Attraction of spherical shell, solid sphere, and thin plate. Verification of inverse square law. Lines of force. Gauss's theorem. Tubes of forces. Conducting surfaces. Force on element of surface of charged conductor. Potential. Equipotential surfaces. Potential of spherical shell and solid sphere. Potential of magnet. Magnetic shell. Energy of mutually repulsive system.

#### *Course in Experimental Physics.*

Analytical and graphical representation of sound-waves. Velocity of wave-propagation along a string, and sound-waves in air. Beats. Stationary vibrations, summation, and difference tones. Chronograph measurement of frequency. Velocity of light. Photometry. Dispersion and rainbow. Eyepieces. Magnifying power of optical instruments.

*Practical Work.*—Chronograph for frequency and velocity of rotation measurement. Shadow, Joly, and Flicker photometers. Goniometer. Spectrometer for measurement of refractive index and dispersive power. Accurate methods of measuring focal lengths and estimation of errors. Radii of curvature and index of refraction for lenses. Magnifying power of telescopes and microscopes.

#### *Course in Chemistry.*

Chemistry of the non-metals as before. Methods of determining atomic weights more fully considered; specific heats of elements and compounds; isomorphism; the periodic classification of the elements. The Chemistry of the metals based on the periodic table.

*Organic Chemistry.*—Derivatives of the olefine series of hydrocarbons. Glycol; hydroxy acids; dicarboxylic acids and their derivatives; physical isomerism. Unsaturated acids; stereo-isomerides. Glycerol; allylic alcohol. Glucosides. Polyhydric alcohols; the Chemistry of the typical sugars; constitution and synthesis of dextrose and laevulose.

*Practical Work.*—Problems in volumetric analysis involving the combined use of acids or bases and oxidising or reducing agents. Qualitative analysis as before, but including the commoner organic acids—acetic, formic, oxalic, tartaric, citric, sulphocyanic and hydrocyanic acid.

## JUNIOR SOPHISTERS.

## HILARY EXAMINATION.

*Course in Experimental Physics.*

General properties of matter, moments of inertia, variation of atmospheric pressure with height, compressibility of solids and liquids, elastic properties of solids, tension, flexure, work done by elastic forces.

*Heat.*—Mechanical equivalent of heat, air and platinum thermometers, weight thermometer, cubical expansion of solids, Regnault's experiments on the expansion of gases, maximum density of water, Regnault's experiments on steam-pressure, critical temperature, pressure, and volume, change of volume accompanying change of state, Joly's steam calorimeter, wet and dry bulb hygrometer, chemical hygrometer, Bunsen's ice calorimeter, conductivity, diffusivity, radiation, equality of radiating and absorbing powers, selective absorption, diathermancy. The steam-engine. Meteorology.

*Practical Work.*—Use of the cathetometer, dividing engine, chemical balance, Kater's pendulum, piezometer; use of weight and air thermometers, Joly's steam calorimeter and Bunsen's ice calorimeter, measurement of vapour density and pressure, wet and dry bulb hygrometer, correction for radiation in calorimetry, measurement of heat of combustion, specific heat of gases, conductivity, diffusivity, mechanical equivalent of heat.

*Course in Chemistry.*

(At each Examination in the Sophister years, questions may be asked, not only on the subjects comprised in the Course specified for that Examination, but also in all earlier Courses.)

Inorganic Chemistry as before. Radium; radio-activity; the bearing of the study of radio-activity on our conceptions of the atom and on the periodic classification of the elements; isotopes.

The general properties of gases:—Laws of Boyle, Gay Lussac, Dalton; Avogadro's hypothesis; specific heat at constant pressure and constant temperature; behaviour of gases under high pressures; liquefaction. The general properties of liquids:—surface tension; vapour pressure; heat of vaporisation; the boiling point. The general properties of solids:—the melting point; vapour pressure; the volatilising point. Mixtures of gases, of liquids, and of solids; additive properties. Vapour pressures and boiling points of mixed liquids (including pairs of non-miscible and partially miscible liquids); composition of liquid and vapour phases; fractional distillation.

Honor Lectures on Physical Chemistry for Junior Sophisters will be given once a week.

*Organic Chemistry.*—The Course for Senior Freshmen more fully treated.

Honor Lectures on Organic Chemistry will be given on Mondays and Wednesdays.

*Practical Work.*—Analysis of mixed substances containing not more than two metals. Detection of alkaloids and organic acids. Various problems in volumetric analysis. Typical gravimetric analyses. Determination of boiling points and melting points.

## TRINITY EXAMINATION.

*Electricity and Magnetism.*

Molecular nature of magnetism, terrestrial magnetism, bifilar and vertical magnetometers, dip circle, declination circle; mirror galvanometer, magnetic system of units, ballistic galvanometer, magnetic permeability, electro-magnetic induction, construction of dynamos and motors, Ruhmkorff's coil, electrolysis, migration of ions, potentiometer, chemical batteries, polarisation, thermo-electricity, electrical radiation.

*Electrostatics.*—Laws of force, distribution on conductor, induction, electroscopes, condensers, machines, quadrant and guard-ring electrometers, electrostatic voltmeter, capacity.

*Practical Work.*—Use of bifilar magnetometer, dip and declination circles, mirror and ballistic galvanometers, voltmeters, measurement of rate of migration of ions, use of potentiometer, measurement of capacity by quadrant electrometer and by ballistic galvanometer, measurement of low and high resistance, and of magnetic permeability.

*Course in Chemistry.*

The properties of dilute solutions; osmotic pressure; direct and indirect methods of determining osmotic pressure; relation between osmotic and gaseous pressure. The kinetic theory of gases; application of theory to gases under high pressure; Van der Waals's theory and generalisations; the critical point; methods of determining the critical constants. Application of the kinetic theory to dissociating gases.

*Organic Chemistry.*—Unsaturated hydrocarbides and their chief derivatives. The hydroxy acids. Stereoisomerism. Carbohydrates, natural and synthetic. Urea and uric acid, and their derivatives.

*Practical Work.*—Extension of volumetric and gravimetric analysis. Determination of nitrogen in organic compounds as ammonia. Detection of common elements in organic compounds

## MICHAELMAS EXAMINATION.

*Sound.*—Graphic and analytical representation of vibration and wave-motion, compounding vibrations, interference, diatonic scale and temperament, intervals, summation and difference tones, vowel sounds, vibrations of bars and plates, compounding vibrations in rectangular planes, Koenig's flames, phonograph, resonators, Döppler's principle, photographic records.

*Light.*—Velocity of propagation, wave theory, reflection and refraction, rectilinear propagation and diffraction, interference, Newton's rings, rainbow.

*Practical Work.*—Use of syren, graphic measurement of frequency, determination of velocity of sound, Kundt's method, optical method of compounding vibrations, use of resonators, diffraction grating, biprism, Fresnel's mirrors, Newton's rings, plotting spectrum.

*Course in Chemistry.*

Determination of molecular weights of liquids from their surface-tension. Determination of molecular weight of dissolved substances.



The laws of electrolysis. Molecular association and dissociation. Nature of salt solutions. Thermal Chemistry.

*Organic Chemistry.*—Benzene and its homologues, and their more important derivatives. Cyclic hydrocarbides and their derivatives. The alkaloids and their constitution. The terpenes.

*Practical Work.*—Determination of nitrogen in organic compounds by absolute method. Identification of typical organic compounds. Use of polariscope. Preparation of two typical organic compounds.

**NOTE.**—The quantitative practical work in Experimental Physics and Chemistry carried out and properly recorded during this year will be taken into account in deciding the merits of candidates.

#### SENIOR SOPHISTERS.

#### HILARY EXAMINATION.

##### *Course in Experimental Physics.*

*Thermodynamics.*—Indicator diagrams, isothermal and adiabatic changes, specific heats, efficiency, reversible engines, absolute scale of temperature, flow of gas through a porous plug. Kinetic theory of gases.

*Electricity.*—Alternating currents, dynamometers, Cardew's voltmeter, Kelvin balance, ammeters and voltmeters, self-induction and mutual induction, secohmmeter, transformers, characteristics of series, shunt, and compound dynamos, efficiency of electric transmission of power, B.A. measurement of the Ohm, Lorentz' method, induction motors—polyphase currents, theory of telegraphy.

*Practical Work.*—Taking indicator diagram, determination of effects of salts in solution on freezing and boiling points.

Measurement of coefficients of self- and mutual induction, capacity, strong magnetic fields, efficiency of motors and lamps, plotting characteristics of dynamos, standardising dynamometers and voltmeters.

##### *Course in Chemistry.*

The relations between the physical properties—boiling point, molecular volume, molecular refraction, molecular rotation—of compounds and their chemical composition and constitution.

*Organic Chemistry.*—Determination of constitution of organic substances. General methods of identification of the various radicles.

**NOTE.**—During this term a few special lectures on Organic Chemistry will be given.

*Practical Work.*—Application of analysis to natural and artificial products. Electro-chemical analysis. Gas analysis.

#### TRINITY EXAMINATION.

##### *Course in Experimental Physics.*

General properties of matter—Pressure in flowing fluid, spray distributors, momentum and energy of fluid, viscosity, electric chronograph, rates of diffusion, spheroidal state.

*Light.*—Colours, achromatism, anomalous dispersion, polarization, Fresnel's theory, double refraction, Nicol's, Rochon's, and Wollaston's prisms, wave surface in crystals, conical refraction, metallic reflection,



quarter wave plate, Fresnel's rhomb, rings and crosses of polarized light, rotatory polarization, magnetic action on light, production of polarized light.

*Practical Work.*—Pressure in flowing fluid, measurement of coefficient of viscosity, of velocity of bullet electrically. Plotting anomalous spectrum, determination of focal lines for light through lens in direction inclined to axis, measurement of angle between optic axes of crystal, observation of internal and external conical refraction, measurement of rotatory power of sugar solutions, and of refractive index by polarizing angle.

### *Course in Chemistry.*

Chemical Mechanics:—Guldberg and Waage's theory. Chemical equilibrium:—Reversible reactions and dissociation phenomena. Chemical dynamics.

*Organic Chemistry.*—Continuation of work of previous term with a view to Chemical research.

*Practical Work.*—Extension of previous course. Ultimate organic analysis. Determination of molecular weights by various recognized methods.

### TRINITY TERM.

During the three Terms of the Senior Sophister year, Lectures are delivered in Physics on the Special Course for Moderatorship specified for the year.

Each Student will carry out during Trinity Term an investigation depending on the special course he has selected for Moderatorship. The results should be handed in to the Professor prior to the Moderatorship Examination in October.

## § V.—NATURAL SCIENCE.

### JUNIOR AND SENIOR FRESHMAN YEARS.

Prizes are given in Natural Science, at the close of the Junior and Senior Freshman years. The Examinations for these Prizes are held in Michaelmas Term, on days specified in the University Almanac. The following Course has been appointed:—

#### JUNIOR FRESHMEN.

ZOOLOGY, . . . Entrance Prize Course.

External morphology of Sea Anemone; Earth-worm; Crayfish; Spider; Snail; Pigeon or other Bird; Rabbit or other Mammal.

General Principles of Physiology.

Thomson's Outlines of Zoology may be consulted.

BOTANY, . . . The Morphology and Physiology of the following types:—Saccharomyces, Sphaerella, Nostoc, Bacillus, Spirogyra, Volvox, Vaucheria, Mucor, Phytophthora, Penicillium, Peziza, Agaricus, Fucus, Polysiphonia, Marchantia, Polytrichum, Pteris, Larix, Scilla, Ranunculus. (Principles of Botany: Bergen and Davis.)

**GEOLOGY,** . . . Huxley's Physiography, with Geikie's Class Book of Geology, to end of chap. xiv. A practical acquaintance with the rocks and minerals described in the Course will be expected of the candidate, and he is recommended to attend the practical demonstrations given in Trinity Term.

#### SENIOR FRESHMEN.

**ZOOLOGY,** . . . Entrance Prize Course and Junior Freshman Course as before.

External morphology of Zoophyte; Starfish; Leech; Centipede; Mya or Anodon; Cuttlefish; Cod or other Fish; Lizard.

Internal morphology of Fish; Frog; Bird; Mammal.

Life-history of Zoophyte.

Thomson's Outlines of Zoology may be consulted.

**BOTANY,** . . . As before, with the morphology and physiology of the following types:—Badhamia, Puccinia, Physcia; Pilobolus, Pythium, Callithamnion, Ectocarpus, Pelvetia, Draparnaldia, Pellia, Sphagnum, Marsilia, Selaginella, Equisetum, Lycopodium, Taxus, Iris, Cheiranthus. (Principles of Botany: Bergen and Davis.)

**GEOLOGY,** . . . As before, with the Demonstrations in Petrology and Mineralogy of Michaelmas Term.

N.B.—Students are recommended to apply to the Professors of Zoology, Botany, and Geology for access to specimens illustrating the Courses.

Junior and Senior Freshmen taking up Natural Science may attend with advantage the Michaelmas Term Lectures of the Professor of Geology, who will give any information required on application.

Honors are given at each Examination in the Junior and Senior Sophister years.

#### JUNIOR SOPHISTER YEAR.

##### HILARY EXAMINATION.

**ZOOLOGY,** . . . . As before; with the Professor's Lectures and Demonstrations during Michaelmas Term.

**BOTANY,** . . . . As before, with the Professor's Lectures and the practical work during Michaelmas Term. (Strasburger's Text Book of Botany, Part ii., sect. i. Thallophyta and Bryophyta.)

**GEOLOGY,** . . . . The Professor's lectures during Michaelmas Term. The student should refer to Geikie's Text Book of Geology, vol. i. Questions in Elementary Petrology and Mineralogy will be set.

## TRINITY EXAMINATION.

- ZOOLOGY, . . . . As before; with the Professor's Lectures and Demonstrations during Hilary Term.
- BOTANY, . . . . As before, with the Professor's Lectures and the practical work during Hilary Term. (Strasburger's Text Book. Part ii., sects. i. and ii. Pteridophyta and Phanerogamia.)
- GEOLOGY, . . . . The Professor's lectures and the Demonstrations in Palæontology during Hilary Term. Lapworth's Intermediate Text Book of Geology, Part III., and Wood's Palæontology may be consulted. Questions in Petrology and Mineralogy will be set.

## MICHAELMAS EXAMINATION.

- ZOOLOGY, . . . . As before; with the Professor's Lectures and Demonstrations during Trinity Term.
- BOTANY, . . . . As before, with the Professor's Lectures and the practical work during Trinity Term. (Strasburger's Text Book. Part i., sec. ii.)
- GEOLOGY, . . . . The work for the Trinity Examination and Marr's Principles of Stratigraphical Geology.

## SENIOR SOPHISTER YEAR.

## HILARY EXAMINATION.

- ZOOLOGY, . . . . As before.
- BOTANY, . . . . As before, with practical work.
- GEOLOGY, . . . . The work for the Michaelmas Examination of the Junior Sophister year. Geikie's Text Book of Geology, vol. ii, may be consulted.

## TRINITY EXAMINATION.

- ZOOLOGY, . . . . As before.
- BOTANY, . . . . As before, with practical work.
- GEOLOGY, . . . . As for the Hilary Examination.

## § VI.—HISTORY AND POLITICAL SCIENCE.

## JUNIOR AND SENIOR FRESHMAN YEARS.

Honor Examinations, of one day each, in Modern History are held in Hilary and Trinity Terms of the Junior and Senior Freshmen years, and Prize Examinations in Michaelmas Terms.

The following Course has been appointed :—

## JUNIOR FRESHMAN YEAR.

Period { English and Irish History, 449-1485.  
European History, 476-1494.

No books are specially prescribed for any of the examinations. The following are recommended *only as a guide* to candidates in their reading :—

## HILARY EXAMINATION.

A. English and Irish History, 449-1066. (*One paper*) :

[Oman, . *England before the Norman Conquest.*  
Joyce, . *Short History of Ireland : Part II.*]

B. European History, 476-918. (*One paper*) :

[Oman, . *The Dark Ages.*  
Bryce, . *The Holy Roman Empire*, chaps. 1-6.  
Davis, . *Charlemagne.*]

## TRINITY EXAMINATION.

A. English and Irish History, 1066-1272. (*One paper*) :

[Davis, . *England under the Normans and Angevins.*  
Joyce, . *Short History of Ireland : Part III*, chaps. i to x, inclusive.]

B. European History, 918-1273. (*One paper*) :

[Tout, . *The Empire and the Papacy.*  
Bryce, . *The Holy Roman Empire*, chaps. 6-13.  
Fisher, . *The Medieval Empire*, chaps. 1, 3, 7, 10.]

## MICHAELMAS EXAMINATION.

A. English and Irish History, 1272-1485. (*Two papers*) :

[Hunt and Poole, *The Political History of England*, Vols. III and IV.  
Trevelyan, . *England in the Age of Wycliffe.*  
Gairdner, . *Introduction to The Paston Letters.*  
Bagwell, . *Ireland under the Tudors*, chaps. 5-7.  
O'Connor Morris, *Ireland* (ed. Dunlop), chap. 2.]

B. European History, 1273-1494. (*Two papers*) :

[Lodge, . *The Close of the Middle Ages.*  
Lavissee et Ram- } *Histoire Générale*, vol. III, chaps. 1-6.  
baud, .  
Armstrong, . *Lorenzo de' Medici.*]



## SENIOR FRESHMAN YEAR.

- Period { English and Irish History, 1485-1801.  
European History, 1494-1814.

## HILARY EXAMINATION.

A. English and Irish History, 1485-1603. (*One paper*):

- Hunt and Poole, *The Political History of England*, vol. v.  
Pollard, . *Henry VIII.*  
Creighton, . *Queen Elizabeth.*  
O'Connor Morris, *Ireland* (ed. Dunlop), chaps. 3, 4.

B. European History, 1494-1598. (*One paper*):

- Johnson, . *Europe in the Sixteenth Century.*  
*The Cambridge Modern History*, vol. i, chap. 19.

## TRINITY EXAMINATION.

A. English and Irish History, 1603-1714. (*One paper*):

- Trevelyan, . *England under the Stuarts.*  
Firth, . *Oliver Cromwell.*  
Gardiner, . *Cromwell's Place in History.*  
Lecky, . *History of Ireland in the Eighteenth Century.*  
chap. 1.

*The Cambridge Modern History*, vols. iv, chap. 18; v, chap. 10.

B. European History, 1598-1715. (*One paper*):

- Wakeman, . *The Ascendancy of France.*  
Acton, . *Lectures on Modern History*, chaps. 9-15.

## MICHAELMAS EXAMINATION.

A. English and Irish History, 1714-1801. (*Two papers*):

- Hunt and Poole, *The Political History of England*, vols. ix and x.  
Morley, . *Walpole.*  
Morley, . *Burke.*  
Rosebery, . *Pitt.*  
Lecky, . *History of Ireland in the Eighteenth Century*,  
chaps. 2-5, 7, 8, 12, 13.

*The Cambridge Modern History*, vol. vi, chap. 14.

B. European History, 1715-1814. (*Two Papers*):

- Hassall, . *The Balance of Power.*  
Morse Stephens, *Revolutionary Europe.*  
Johnston, . *History of the French Revolution.*  
Rose, . *Napoleonic Studies.*

## JUNIOR SOPHISTER YEAR.

Honors are given in History and Political Science at each Examination in the Junior Sophister year.

No books are specially prescribed for any of the examinations. The following are recommended *only as a guide* to candidates in their reading :—

## HILARY EXAMINATION.

- A. English Constitutional History, to 1307. (*One paper*) :  
 [Maitland, . *The Constitutional History of England.*  
 M'Keehnie, . *Magna Carta.* Historical Introduction.  
 Stubbs, . *The Constitutional History of England*, chaps.  
 15 and 19.  
 Petit-Dutaillis, . *Studies Supplementary to Stubbs' Constitutional*  
*History.*  
 Medley, . *English Constitutional History.*]
- B. European History. The First Three Crusades. (*One paper*) :  
 [Stevenson, . *The Crusaders in the East.*  
 Sybel, . *History and Literature of the Crusades.*  
 Stubbs, . Preface to *Itinerarium Regis Ricardi* (Rolls  
 Series).  
 Archer, . *The Crusade of Richard I.*  
 Oman, . *The Art of War in the Middle Ages.*]
- C. Economic History. Outlines of History to 1600.  
 [Meredith, . *Economic History of England.* Introduction,  
 Books I and II.]

## TRINITY EXAMINATION.

- A. English Constitutional History, to 1625. (*One paper*) :  
 [Maitland, . *The Constitutional History of England.*  
 Dicey, . *The Privy Council.*  
 Prothero, . Introduction to *Select Statutes, etc., 1558-1625.*  
 Medley, . *English Constitutional History.*]
- B. European History. France in the Seventeenth Century. (*One*  
*paper*) :  
 [Cambridge Modern History, III. 20; IV, 4, 21; V, 1, 2, 3, 4, 13, 14.  
 Lavissee, . *Histoire de France.*  
 Willert, . *Henry of Navarre.*  
 Perkins, . *Richelieu.*  
 Retz, . *Mémoires.*  
 Tilley, . *Selections from Saint-Simon.*]
- C. Economic History. Outlines of History, 1600-1760.  
 [Meredith, . *Economic History.* Book III.  
 Unwin, . *Industrial Organization.*]

## MICHAELMAS EXAMINATION.

- A. English Constitutional History, from 1625. (*One paper*):  
 [Maitland, . *The Constitutional History of England.*  
 Gardiner, . *Introduction to Constitutional Documents, 1625-1660.*  
 Dicey, . *The Law of the Constitution.*  
 Low, . *The Governance of England.*  
 Medley, . *English Constitutional History.*]
- B. European History, 1814-1878. (*One paper*):  
 [W. Alison Phillips, *Modern Europe.*  
*The Cambridge Modern History*, vols. x and xi (for reference)].
- C. Economic History. Outlines of History, 1760-1900.  
 [Meredith, . *Economic History.* Book iv.  
 Toynbee, . *Industrial Revolution.*]

## § VII.—MODERN LITERATURE.

Separate Honor Examinations are held each Term in the Freshman years in English Literature, in French, in German, and in Italian.

The following Courses have been appointed:—

## ENGLISH LITERATURE.

## JUNIOR FRESHMEN.

*Hilary Examination.*

History of English Literature: 1500 to 1600, but including whole career of Shakespeare; as in Wyatt and Low's Text-Book of English Literature.

Shakespeare: *A Midsummer Night's Dream*; *Henry V.*

Spenser: *The Faery Queene*, book i.

More: *Utopia*, with Roper's *Life of More* (ed. Lumly, Cambridge).

Palgrave's *Golden Treasury*, book i.

*Trinity Examination.*

History of English Literature: 1600 to 1660, but including whole career of Milton; as in Wyatt and Low.

Shakespeare: *Julius Caesar*; *Coriolanus*.

Spenser: *The Faery Queene*, book ii.

Bacon: *Essays*.

Palgrave's *Golden Treasury*, book ii.

*Michaelmas Examination.*

History of English Literature: from the beginnings to 1500, as in Wyatt and Low.

Shakespeare: *As You Like It*; *Twelfth Night*.

Milton: *Lycidas*; *Comus*.

Spenser: *Colin Clout's Come Home Again*.

Sidney: *Apology of Poetry*.

## SENIOR FRESHMEN.

*Hilary Examination.*

History of English Literature: 1660 to 1798, as in Wyatt and Low.

Chaucer: Prologue to Canterbury Tales.

Shakespeare: Merchant of Venice; The Tempest.

Milton: Paradise Lost, books i, ii; Areopagitica.

*Trinity Examination.*

History of English Literature: 1798 to 1832, as in Wyatt and Low.

Chaucer: Knight's Tale; Squire's Tale; Nun's Priest's Tale.

Shakespeare: Richard III; Romeo and Juliet.

Addison: Coverley Papers, and Critical Papers, from the Spectator (selections ed. T. Arnold, Oxford).

*Michaelmas Examination.*

Chaucer: Clerk's Tale; Prioress's Tale; Sir Thopas; Prologue to Legend of Good Women.

Shakespeare: Macbeth; Hamlet.

Dryden: Absalom and Achitophel.

Pope: Rape of the Lock; Essay on Criticism.

Swift: Drapier's Letters.

## FRENCH.

[Students are expected to make themselves acquainted with the outlines of the History of France so far as it bears on the literary period studied in each Term.]

The studies in this department fall into the following three divisions:

1. Practical exercises in the use of the spoken and written languages: Pronunciation, Conversation, Composition.
2. Theoretical Study of the French Language: Grammar of Modern French, History of the French Language.
3. History of French Literature, and detailed study of selected Literary Works.

## JUNIOR FRESHMEN.

*Hilary Examination:*

Corneille: Nicômède (P. de Julleville—Hachette); Le Menteur (P. de Julleville—Hachette).

Racine: Andromaque (Oxford University Press).

Balzac: Le Colonel Chabert (Clarendon Press).

*Trinity Examination:*

Molière: Les Précieuses Ridicules (Lanson—Hachette); Les Femmes Savantes (Lanson—Hachette); L'Avare (Manchester University Press); Le Misanthrope.

Maupassant: Six Contes (Cambridge Univ. Press).

Selections from the French Fabulists (Manchester University Press).



*Michaelmas Examination :*

Marivaux : Théâtre (in *Tous les Chefs d'œuvre*).

Sainte Beuve : Selections (Tilley—Oxford University Press).

Les Epistoliers du xviii<sup>e</sup> Siècle (Dent's *Tous les Chefs d'œuvre*).

Faguet : Le Dix-Huitième Siècle.

Balzac : Père Goriot (Oxford University Press—American Branch).

## SENIOR FRESHMEN.

*Hilary Examination :*

Chateaubriand : Extraits (Brunetière—Hachette).

V. Hugo : La Légende des Siècles (Clarendon Press); Les Feuilles d'Automne.

Hugo : Préface de Cromwell (Souriau).

*Trinity Examination :*

Balzac : Eugénie Grandet (Calmann-Lévy).

V. Hugo : Le Rhin (Nelson).

Vielé-Griffin : Plus Loin.

Sand : La Petite Fadette.

*Michaelmas Examination :*

Vigny : Selected Poems (Peers—Manchester University Press).

Musset : Poésies Nouvelles (excluding Rolla). [In Dent's *Tous les Chefs d'Œuvre*.]

Gautier : Voyage en Italie (Pitt Press).

Renan : Souvenirs de Jeunesse.

## GERMAN.

## HONOR COURSE IN GERMAN.

The studies in this department fall into the following three divisions :

1. Practical Study of the German Language: Phonetics and Exercises in Pronunciation, Conversation, Composition.
2. Theoretical Study of the German Language: Grammar of Modern German, History of the German Language.
3. History of German Literature, and detailed study of selected Authors and Literary Works.

NOTE.—Students are expected to make themselves acquainted with the outlines of the History of Germany in so far as it bears on the literary period studied in each Term. They are further expected to pay some attention to present-day events in Germany, and passages for Unseen Translation from current newspaper and magazine literature will be set at the various examinations.

The following Course has been appointed. It is to be noted that questions may be set at any examination from any part of the Course for a previous examination:—

#### JUNIOR FRESHMEN.

##### *Hilary Examination :*

Robertson : History of German Literature, Part v., first six chapters.

Kleist : Prinz Friedrich von Homburg.

Viëtor : Deutsches Lesebuch in Lautschrift, II. Teil.

Viëtor : German Pronunciation : Practice and Theory.

##### *Trinity Examination :*

Robertson : History of German Literature, Part v., chaps. vii. to xii. (inclusive).

Heine : Buch der Lieder.

Grillparzer : Der Traum, ein Leben.

##### *Michaelmas Examination :*

Robertson : History of German Literature, Part v., chap. xiii. to end.

Hebbel : Agnes Bernauer.

Sütterlin und Waag : Deutsche Sprachlehre.

#### SENIOR FRESHMEN.

##### *Hilary Examination :*

Robertson : History of German Literature, Part iv., first six chapters.

Lessing : Die Hamburgische Dramaturgie.

Lessing : Minna von Barnhelm.

##### *Trinity Examination :*

Robertson : History of German Literature, Part iv., chaps. vii. to x. (inclusive).

Lessing : Nathan der Weise.

Lessing : Emilia Galotti.

##### *Michaelmas Examination :*

Robertson : History of German Literature, Part iv.

Schiller : Wallenstein—Lager und Piccolomini.

Goethe : Hermann und Dorothea.

Goethe : Gedichte, (Lieder, Gesellige Lieder, Aus W. Meister, Balladen, and Vermischte Gedichte.)

#### ITALIAN.

The studies in this department fall into the following three divisions:—

1. Practical exercises in the use of the spoken and written languages : Pronunciation, Conversation, Composition.

2. Theoretical study of the Italian Language : Grammar of Modern Italian, History of the Italian Language.

3. History of Italian Literature, and detailed study of selected Literary works.

## JUNIOR FRESHMEN.

*Hilary Examination:*

D'Annunzio: Prose Scelte (Milan, Treves).

Hauvette: Littérature italienne, Part IV.

*Trinity Examination:*

Carducci: Antologia Carducciana (Bologna, Zanichelli).

Hauvette: Littérature italienne, Part III.

*Michaelmas Examination:*

Leopardi: Prose Morali (Florence, Sansoni).

Hauvette: Littérature italienne, Part II.

## SENIOR FRESHMEN.

*Hilary Examination:*

Le Cento Migliori Liriche (Gowans and Gray).

Gozzano: L'Altare del Passato.

Hauvette: Littérature italienne, Part I.

*Trinity Examination:*

Fogazzaro: Piccolo Mondo antico.

Metastasio: Drammi scelti (as for Moderatorship).

Hauvette: Dante.

*Michaelmas Examination:*

Tasso: Gerusalemme liberata, cantos i-x.

Boccaccio: Novelle scelte (as for Moderatorship).

Hauvette: Boccace.

Honors are given in Modern Literature at each Examination in the Junior Sophister year. Candidates are permitted to take any two of the four languages—English, French, German, and Italian. The numbers of marks assigned to the two languages selected by a Candidate are equal.

The following Courses have been appointed:—

## JUNIOR SOPHISTER YEAR.

## HILARY EXAMINATION.

ENGLISH,	Shakespeare; King Lear; Antony and Cleopatra.
	Milton: Samson Agonistes.
	Wordsworth: Matthew Arnold's selection (Macmillan).
	Palgrave's Golden Treasury, Books iii and iv.
	Burke: Reflections on the French Revolution.
FRENCH,	Scève: Délie (Selections).
	Ronsard: Selected Poems (Lucas—Clarendon Press), excluding Odes.
	Du Bellay: Divers jeux rustiques et autres œuvres poétiques (Sansot); Les Regrets (Sansot).
	Montaigne: Extraits (Petit de Julleville—Delagrave).
	Lanson: Histoire de la Littérature française, Part iii.

- GERMAN, . Robertson: History of German Literature, Parts i. and ii., first two chapters.  
Schiller: Wallensteins Tod.  
Wright: Grammar of the Gothic Language, (Accidence, Syntax, and Text).
- ITALIAN, . . Dante: Inferno.  
Petrarca: Canzoniere.  
Poliziano: Le Stanze, L'Orfeo, e le Rime.  
Carducci: Saggi sul Poliziano.

## TRINITY EXAMINATION.

- ENGLISH, . Marlowe: Edward II.  
Shakespeare: Richard II.  
Byron: Matthew Arnold's selection (Macmillan).  
Shelley: Stopford Brooke's selection.  
Keats: Lamia; Eve of St. Agnes.  
Essays of Elia (First Series).
- FRENCH, . Corneille: Polyeucte, Don Sanche; La Galerie du Palais (Manchester University Press); Le Cid (P. de Julleville—Hachette).  
Racine: Athalie (ed. Bernardin, pub. Delagrave); Phèdre (Bernardin—Delagrave).  
Lanson: (*ut supra*) Part iv.  
Hanotaux: La France en 1614 (Nelson).
- GERMAN, . Robertson: History of German Literature, Part ii. Chaps. iii. to viii. (inclusive).  
Schiller: Die Räuber.  
Goethe: Faust, I. Teil.  
Wright: Old High German Primer.
- ITALIAN, . . Dante: Purgatorio.  
Petrarca: I Trionfi.  
Sannazaro: L'Arcadia.  
Torraca: Jacopo Sannazaro.

## MICHAELMAS EXAMINATION.

- ENGLISH, . Shakespeare: Othello; A Winter's Tale.  
Tennyson: In Memoriam; The Princess; Maud; and the poems comprised in pp. 27-103 of Macmillan's one-volume edition of Tennyson.  
Browning: Men and Women.  
Ruskin: Seven Lamps of Architecture.
- FRENCH, . Diderot: Extraits (Texte—Hachette).  
Regnard: Le Joueur.  
La Chançon de Willame (Oxford University Press, American Branch).  
Lanson: (*ut supra*) Part v.



- GERMAN, . Robertson : History of German Literature. Parts ii. and iii.  
 Goethe : Faust, II. Teil.  
 Schiller : Die Braut von Messina.  
 Der Nibelunge Nôt (Sammlung Göschen 1).  
 Wright : Middle High German Primer.
- ITALIAN, . . . Dante : Paradiso.  
 Tasso : L'Aminta.  
 Guarini : Il Pastor fido.  
 Carducci : Saggi sul Tasso.

Subjects for English Essays will be proposed at each Examination. The proficiency of Candidates in the other languages will be tested by oral Examination, as well as by written versions from English, and Compositions in the language selected by each Candidate.

### § VIII.—LEGAL AND POLITICAL SCIENCE.

Honor Examinations are held in the Hilary and Trinity Terms of the Junior and Senior Sophister Years, and a Prize Examination in the Michaelmas Term of the Junior Sophister Year.

Candidates for Honors in Trinity Term are liable for the Course of the preceding Term, and candidates in Michaelmas Term are liable for the Courses of the two preceding Terms.

### Junior Sophisters.

#### HILARY EXAMINATION.

##### JURISPRUDENCE.

The scope and methods of Jurisprudence.

The elements of analytical Jurisprudence.

[Holland, Elements of Jurisprudence, chaps. 1-10 ; Pollock, First Book of Jurisprudence, Pt. I.]

##### ROMAN LAW.

History of Roman Law : the Law of Persons.

[Justinian, Institutes, Bk. i. (edited Moyle, with Introduction) ; Sohm, Institutes of Roman Law.]

##### CONSTITUTIONAL HISTORY.

[Maitland, The Constitutional History of England.]

##### POLITICAL AND ECONOMIC SCIENCE.

Scope and Method of Economics ; Theory of Production and Exchange.

[Taussig, Principles of Economics, Books 1, 2, 3.]

## TRINITY EXAMINATION.

## INTERNATIONAL LAW.

Sources and History of International Law ; the Relations of States in Peace.

[Lawrence, Principles of International Law, parts I. and II. ; Westlake, International Law, Pt. I., Peace.]

## ROMAN LAW.

The Law of Property and Inheritance.

[Justinian, Institutes, Book II., Book III., Titles 1-12 ; Sohm, Institutes.]

## CONSTITUTIONAL LAW AND HISTORY.

[Dicey, Law of the Constitution (latest edition), with the Texts of Magna Charta, The Petition of Right, and The Bill of Rights.]

## POLITICAL AND ECONOMIC SCIENCE.

The Theory of Distribution and Consumption.

[Taussig, Principles of Economics, Book 5.]

## MICHAELMAS EXAMINATION.

## INTERNATIONAL LAW.

International Disputes : Belligerency : Neutrality.

[Lawrence, Principles, Parts III. and IV. ; Westlake, International Law, Part II., War.]

## ROMAN LAW.

The Law of Obligations and Actions.

[Justinian, Institutes, Book III., Titles 13 to end, Book IV. ; Sohm, Institutes.]

## ENGLISH LAW.

(a) Law of Property.

[Strahan and Baxter, General View of the Law of Property.]

(b) Law of Contract.

[Anson, Principles of the English Law of Contract.]

(c) Law of Evidence.

[Stephen, Digest of the Law of Evidence.]

## POLITICAL AND ECONOMIC SCIENCE.

The economic functions of government.

The theory of taxation and public debts.

[Sidgwick, Elements of Politics, Part I.; Taussig, Principles of Economics, Bk. viii.; J. S. Mill, Principles of Political Economy, Bk. v.]

## Senior Sophisters.

## HILARY EXAMINATION.

## JURISPRUDENCE.

As in Junior Sophister Year, together with the elements of historical and comparative Jurisprudence.

[Maine, Ancient Law, Early Law and Custom; Holland, Elements of Jurisprudence, chaps. 11-18; Pollock, First Book of Jurisprudence, Part II.]

## ENGLISH LAW.

- (a) Real Property, as in Junior Sophister Michaelmas Examination, together with the work of the ordinary Law Lectures in Michaelmas Term. Equity: The origin and development of the Court of Chancery; the general principles of Equity; the Law of Trusts.

[Strahan and Kenrick, Digest of Equity; H. A. Smith, Principles of Equity.]

- (b) The Law of Torts.

[Pollock, Law of Torts.]

## POLITICAL AND ECONOMIC SCIENCE.

As in Junior Sophister Year.

## TRINITY EXAMINATION.

## ENGLISH LAW.

- (a) Real Property; the work of the ordinary Lectures of Hilary Term. Equity: the doctrines of Election, Conversion, Satisfaction, and Performance; Equitable relief on grounds of Fraud, Misrepresentation, and Mistake; Equitable Remedies.

[Strahan and Kenrick, Digest of Equity; H. A. Smith, Principles of Equity.]

- (b) The Law of Easements.

## POLITICAL AND ECONOMIC SCIENCE.

The History of Political and Economic Theories.

[Pollock, History of the Science of Politics; Ingram, History of Political Economy; Dunning, History of Political Theories.]

N.B.—The books mentioned within brackets in the above Courses are intended to show the scope of the examinations, and the standard of attainment expected from candidates.

## § IX. CELTIC LANGUAGES.

Prize Examinations in Old and Middle Irish are held in the Michaelmas Term of the Junior and Senior Freshman Years, and a Prize Examination in Celtic Languages in the Michaelmas Term of the Junior Sophister year. The following Courses have been appointed:—

## JUNIOR FRESHMAN YEAR.

## (a) Texts—

Strachan: Selections from the O.-Ir. Glosses.

Scéla na Esergi.

Dá Brón Flatha Níme.

Strachan, “Stories from the *Táin*.”

## (b) Grammar.

## (c) Joyce: Names of Places, First Series.

## SENIOR FRESHMAN YEAR.

## (a) Texts—

Imram Máiledúin.

Scél Muicce maic Dáthó and Echtra Chondla.

Táin Bó Fráich.

The Würzburg Glosses, Epistle to the Romans.

## (b) Grammar.

## (c) Joyce: Smaller Social History of Ancient Ireland.

## JUNIOR SOPHISTER YEAR.

## (a) Texts—

Tochmarc Étaíne.

The Würzburg Glosses, Epistles to the Corinthians, Galatians, and Ephesians.

Bruden Dá Derga.

## (b) Grammar of Early Irish and Early Welsh. Thurneysen's and Strachan's handbooks are recommended.

## (c) J. Mac Neill: Phases of Irish History.

## (d) Welsh: Peredur ab Efrawc.



## Moderatorships.

IN the Michaelmas Term of the fifth, or Candidate Bachelor, year, the B.A. Degree Examination includes Examinations for Moderatorships in each of the following subjects:--

1. Mathematics.
2. Classics.
3. Mental and Moral Philosophy.
4. Experimental Science.
5. Natural Science.
6. History and Political Science.
7. Modern Literature.
8. Legal and Political Science.
9. Engineering Science.
10. Celtic Languages.

The Course appointed for Examination in each of these subjects is as follows:--

### MODERATORSHIPS IN MATHEMATICS.

The Course for Moderatorships is the same as the Honor Course in Mathematics.

Notice of Candidature must be given to the Senior Lecturer on or before June 15th.

### MODERATORSHIPS IN CLASSICS.

This Course consists of two parts—one general, the other variable from year to year.

Candidates will be critically examined in a Special Course.

#### *Special Courses for 1921.*

- GREEK, . . . Pindar, Pythian Odes.  
 Aristophanes, Frogs.  
 Bucolici Graeci (Oxford text of Wilamowitz, pp. 1-120, omitting Theocritus II, IV, V, XII, XVIII, XXVII, XXIX, XXX, and the epigrams).
- LATIN, . . . Virgil, Georgics.  
 Propertius.  
 Pliny's Letters, Books III-VII (inclusive).

Passages will be set for translation, selected from the Greek and Latin classical authors generally. Candidates will be further examined in the higher Greek and Latin Grammar and Criticism, in the Political and Literary Histories of Greece and Rome, in Greek and Latin Composition, and in Comparative Philology.

The following Book is recommended as a source of knowledge in Comparative Philology:—

Giles' Manual of Comparative Philology.

The Course in History and Literature for Classical Moderatorships will be as follows:—

HOLM, . . .	History of Greece, Vols. I., II., and III.
MAHAFFY, . .	History of Greek Literature.
MOMMSEN, . .	History of Rome, Book I., chaps. 12–15; Book II., chaps. 8 and 9; Book III., chaps. 12–14; Book IV., chaps. 12 and 13; Book V., chap. 12.
HOW AND LEIGH,	History of Rome.
BURY, . . . .	Student's Roman Empire, chaps. 1–25.
TYRRELL, . .	Latin Poetry, chaps. 1–8.

Together with the lectures of the Professor of Ancient History and Classical Archæology in Ancient History and Classical Archæology during the two academic years preceding each examination.

The subjects for Essays will be chosen from the above Course.

The numbers assigned as marks to the various subjects of Examination will be as follows:—

	Marks.
Four Papers of Passages, . . . . .	80
Four Compositions, . . . . .	60
Special Course ( <i>vivâ voce</i> ), . . . . .	60
Higher Grammar and Criticism, . . . . .	25
Philology, . . . . .	25
History and Literature, . . . . .	50
	<hr/>
	300

The arrangement of the Examination will be as follows:—

9.30 a.m. to 12.30 p.m.—1st day, Greek Prose Passages. 2nd day, Greek Verse Passages. 3rd day, Latin Prose Passages. 4th day, Latin Verse Passages.

2 p.m. to 5 p.m.—1st day, Greek Prose Composition (one hour and a-half), Greek Verse Composition (one hour and a-half). 2nd day, Latin Prose Composition (one hour and a-half), Latin Verse Composition (one hour and a-half). 3rd day, Higher Grammar and Criticism (one hour and a-half), Paper in Philology (one hour and a-half). 4th day, Paper in History and Literature.

Notice of Candidature must be given to the Senior Lecturer, on or before June 15th.

## MODERATORSHIPS IN MENTAL AND MORAL PHILOSOPHY.

I. Every Candidate will be examined—

- (a) On his general knowledge of the history and problems of philosophy (30 marks).

(b) On the following compulsory course (40 marks):—

Plato's *Republic*.

Aristotle's *Ethics*.

Descartes' *Meditations*.

Hume's *Enquiry Concerning Human Understanding*.

Kant's *Kritik of the Pure Reason*.

Kant's *Fundamental Principles of the Metaphysic of Morals*.

Hegel's *Subjective Logic*, Introductory Chapters and Section 1.

Höfding's *Psychology*.

II. Every Candidate shall present for examination any *two* of the following Courses:—A, B, C, D, E, F (15 marks each), or Course G (30 marks), and shall give notice of his choice to the Professor of Moral Philosophy before the 20th of June preceding his examination.

A.

*Greek Pre-Socratic and Platonic Philosophy*.—Course of reading recommended:—

Ritter and Preller's *Historia Philosophiae Graecae*, to the end of the *Academia Vetus*.

B.

*The Aristotelian, Later Greek, and Mediaeval Philosophy*.—Course of reading recommended:—

Ritter and Preller's *Historia Philosophiae Graecae*, Aristoteles eiusque discipuli, Sceptici antiquiores, Academici nov. Sceptici recentiores, Philo Judaeus, Neoplatonici.

Wulf's *History of Mediaeval Philosophy*, Patristic Philosophy, and Mediaeval Philosophy to the middle of the fifteenth century.

C.

*Modern Pre-Kantian Intellectualism*.—Course of reading recommended:—

Leibniz' *Monadology* and *New System* (with *Explanations*).

Spinoza's *Ethics*, Books i and ii.

D.

*Empirical Philosophy*.—Course of reading recommended:—

Locke's *Essay Concerning Human Understanding*, Books ii and iv.

Berkeley's *Principles of Human Knowledge*.

James's *Pragmatism*.

Bergson's *Creative Evolution*.

E.

*The Philosophy of Kant*.—Course of reading recommended:—

Kant's *Kritik of Judgment*.

F.

*The Philosophy of Hegel*.—Course of reading recommended:—

Hegel's *Logic* (Part i of Hegel's *Encyclopedia*).

## G.

*Ancient and Modern Ethics.*—Course of reading recommended :—

Zeller's *Stoics and Epicureans*, Chaps. x-xii, xiv, xix-xxi.

Spinoza's *Ethics*, Books iii, iv, and v.

Butler's *Sermons* and *Nature of Virtue*.

Kant's *Kritik of the Practical Reason*.

Spencer's *Data of Ethics*.

Sorley's *Ethics of Naturalism*.

Green's *Prolegomena to Ethics*, Books iii, iv, and v.

Seth's *Ethical Principles*, Introduction.

Notice of Candidature, with Special Courses chosen, must be given to the Senior Lecturer on or before June 15th.

## MODERATORSHIPS IN EXPERIMENTAL SCIENCE.

THE subjects of Examination for Moderatorships in Experimental Science, and the relative weights to be attached to the different subjects, are as follows :—

	Marks.
(1) General Paper in Physics, . . . . .	100
(2) <i>Either</i> General Paper in Physics, <i>or</i> General Paper in Chemistry, . . . . .	100
(3) <i>Either</i> Special Paper in Physics, <i>or</i> Special Paper in Chemistry, . . . . .	100
(4) General Paper in Chemistry, . . . . .	100
(5) Essays in Physical subjects, . . . . .	50
(6) Essays in Chemical subjects, . . . . .	50
(7) Practical Examination in Physics, . . . . .	50
(8) Practical Examination in Chemistry, . . . . .	50
(9) Practical work during Sophister years, <i>either</i> 300 marks in Physics, and 100 in Chemistry, <i>or</i> 300 in Chemistry, and 100 in Physics, . . . . .	400

The Course in each subject consists of the Honor Courses of the Freshman and Sophister Years, together with a Special Course and a Special Investigation. A Special Course in Physics is appointed which, until further notice, will be Current Electricity.

In Chemistry a student is allowed, at the commencement of his Senior Sophister year, to select either Inorganic, Organic, or Physical Chemistry as his Special Course.

Candidates are not required to answer in the Special Courses in both Experimental Physics and Chemistry, or to undertake research in both branches.

In order to qualify for a Gold Medal, candidates must obtain not less than 35 per cent. in the secondary subject they have taken.

Notice of Candidature, with Special Courses chosen, must be given to the Senior Lecturer, on or before June 15th.



## MODERATORSHIPS IN NATURAL SCIENCE.

Two Courses of study (A) or (B) are defined as suitable for this Examination; one of these Courses (B) is specially adapted to the requirements of Medical Students.

## (A.)

(A) consists of general Courses in Geology, Botany, and Zoology, together with Special Courses in each subject, which are arranged yearly, and of which Special Courses each candidate must select one.

300 marks are allotted to each of the general Courses, and 100 to the selected Special Course.

## GENERAL COURSES.

- Geology*, . All the work of the Freshman and Sophister years, and, in addition, a Geological Section, in a locality approved by the Professor, must be submitted along with an Essay descriptive of the Section, and a collection of such minerals, rocks, and fossils as have been obtained in the field.
- Zoology*, . All the work of the Freshman and Sophister years.
- Botany*, . All the work of the Freshman and Sophister years. The work done in the Botanical Laboratory during the Junior and Senior Sophister years will be taken into account in the Moderatorship Examination.

## SPECIAL COURSES FOR 1921.

- Geology*, . The Palæontology of the Older Palæozoic Rock.
- Zoology*, . Hydromedusæ and Scyphomedusæ.
- Botany*, . The Movement of Water in Plants.

## (B.)

The subjects of the Examination in (B) are divided into two groups:—

I.	II.
Chemistry.	Anatomy.
Physics.	Physiology.
Botany.	Pathology and Bacteriology.
Zoology.	

Candidates must present themselves in three subjects, which must not all belong to one group.

The Courses in the subjects of Group I. are arranged with a view to the requirements of Medical Science.

## CHEMISTRY.

## INORGANIC.

Methods of preparation and properties of the following elements and of their chief compounds: H, the halogens, S, N, P, As, Sb, Bi, C, alkali metals, Ca, Mg, Zn, Hg, Cu, Pb, Fe. Laws of combustion—Atomic theory—Determination of atomic and molecular weights. Relationships between the elements; the periodic arrangement of the elements. Relations between chemical structure and physiological activity.

## PHYSICAL.

Vapour density—Abnormal vapour densities—Dissociation—Boiling points, melting points, and specific gravities—Fractional distillation, and distillation under reduced pressure. Sublimation—Rotation of plane of polarised light; the polarimeter.

Absorption Spectra. Solutions—Dialysis and Osmosis—Boiling points and freezing points of dilute solutions; Experimental methods of determination. Modern theories of solution—Elements of Thermochemistry.

## ORGANIC.

Derivatives of paraffins and olefines—Alcohols, aldehydes, ketones, acids, esters; saponification, hydrolysis; amines, aminoacids, amides. Isomerism, polymerism, tautomerism, stereo-isomerism. Carbohydrates, fermentation, action of enzymes.

Benzene and its simpler homologues and their derivatives. Constitution of ring compounds, orientation. Naphthalene, anthracene, and their simpler derivatives. Pyridine, quinoline, alkaloids, leucomaines, and ptomaines. Medically important synthetical products. General methods of organic analysis, such as determination of C, H, N, S, P, and halogens.

## PRACTICAL.

Simple qualitative analysis, inorganic and organic. Volumetric analysis. Organic preparations of a simple character. Use of spectroscope and polarimeter. Determination of molecular weights, boiling points, melting points, and specific gravity.

*General Note.*—A knowledge of those portions of the subject which bear most directly on Medical Science will be specially required, and the greatest importance will be attached to Organic Chemistry.

*Books Recommended.*

- |                             |   |
|-----------------------------|---|
| <i>Inorganic Chemistry,</i> | . Newth's Inorganic Chemistry.  |
| <i>Physical Chemistry,</i>  | . Reyckler—M'Crae, Outlines of Physical Chemistry. (Whittaker.)   |
|                             | Lehfeldt's Textbook of Physical Chemistry. (Arnold.)  |
| <i>Organic Chemistry,</i>   | . Perkin and Kipping's Organic Chemistry with Appendix.   |
|                             | H. Meyer's Determination of Radicals in Carbon Compounds. (Translated by Tingle; pub. by Chapman and Hall.) |

## EXPERIMENTAL PHYSICS.

General Properties of matter. Characteristics of solids, liquids, gases. Compressibility, and shearing strains and stresses. Torsion. Flexure. Work done by elastic forces. Pressure in flowing liquid. Spray distributors. Viscosity. Variation of atmospheric pressure with height. Diffusion. Molecular theory.

Measurement of length, area, volume, time, and mass. Laws of motion. Acceleration due to gravity. Pendulum. Friction. Boyle's law. Atmospheric pressure. Measurement of density. Surface tension. Osmotic pressure.

*Heat.*—Temperature. Thermometers. Expansion of substances. Force of expansion. Maximum density of water. Air thermometer. Absolute temperature. Weight of given volume of gas. Calorimetry. Specific heat. Heat of chemical action. Laws of fusion. Boiling points and melting points. Evaporation. Saturated vapours. Hygrometry. Vapour density. Conductivity and diffusivity. Radiation. Meteorology. Mechanical equivalent of heat.

*Sound.*—Simple and complex vibrations of a particle. Sounds and their differences. Wave motion. Velocity of propagation. Measurement of wave-length and frequency. Resonance. Strings. Pipes. Ear. Vibrations of body. Loops and nodes. Chronographs. Vowel sounds.

*Light.*—Reflection and refraction. Prisms. Lenses. Indices of refraction. Eye. Dispersion. Spectroscope. Achromatism. Construction and magnifying power of telescopes and microscopes. Photometry. Wave-theory. Velocity. Rectilinear propagation. Interference. Diffraction. Polarization. Photography. Phosphorescence. Fluorescence. X-Rays.

*Magnetism and Electricity.*—Magnets. Terrestrial magnetism. Magnetic effects of currents. Measurements of current, pressure, resistance. Development of heat in circuit. Ohm's law. Electromagnets. Electromagnetic induction. Electromagnetic machines. Ruhmkorff's coil.

Electrolysis. Cells. Polarization. Non-polarizable electrodes. Electrolytic dissociation. Ionic hypothesis. Conductivity of electrolytes. Solution pressure.

Capillary electrometer. Thermo-electricity. Electric radiation.

Electric charges. Electroscopes. Condensers. Electric discharges. Oscillations. High-frequency currents.

## BOTANY.

1. The principles of Morphology, Anatomy, Histology, and Physiology as illustrated by the following genera:—Comatricha, Saccharomyces, Sphaerella, Nostoc, Bacillus, Spirogyra, Vaucheria, Volvox, Pythium, Mucor, Claviceps, Puccinia, Agaricus, Fucus, Marchantia, Polypodium. Selaginella, Pinus, Lilium, Betula, Ranunculus.

2. The Cytology of somatic and reproductive cells.

3. The general Physiology of metabolism and response in Plants.

*Course Recommended.*

Laboratory Work, 120 hours.

Strasburger's Textbook of Botany.

Wilson : Cell in Development and Heredity.

Bayliss : Principles of General Physiology.

## ZOOLOGY.

1. The cell : its structure, life, and multiplication.
2. General principles of nutrition, respiration, motion, and excretion, especially in the lower forms of animal life.
3. Zygosis. Ovum and sperm. Maturation, fertilization, segmentation.
4. Elementary embryology.
5. Study of the following types :—Amœba, Paramœcium, Monocystis, Hydra, Lumbricus, Hirudo, Astacus, Blatta or Periplaneta, Mya or Anodonta, Helix, Amphioxus, Scyllium, Rana, Columba, Lepus.
6. General Morphology of the phyla and classes to which these types belong, with the addition of the phyla Platyhelminthes and Nematelminthes.

Additional time required, about 50 hours.

For information as to text-books, application to be made to the Professor of Zoology.

## ANATOMY.

The anatomy of Man.

The embryonic history of Man.

The ancestral history of Man, as far as it may be inferred from a study of his anatomy and embryonic development.

Comparison of the anatomy of Man—as the most specialised Mammal—with that of the lower Mammalia, and more primitive Vertebrates.

Anatomical methods of investigation.

Text-books : as recommended by the Professor of Anatomy.

## PHYSIOLOGY.

Chemistry of animal tissues and organs ; of proteids and their cleavage products ; of carbohydrates ; of fats.

General Physiology of protoplasm ; of muscle and nerve ; of electrical organs.

Blood : its composition and properties ; the apparatus and mechanism of its circulation.

Lymph-formation : Diffusion and Osmosis in the animal body.

Respiration : The mechanism and chemistry of respiratory interchange.

Ventilation.

Secretion and secretory glands. Enzymes.

Digestion : Chemistry of digestive processes. Muscular movements of the alimentary canal. Absorption. Dietaries.

Metabolism : Internal secretions. Ductless Glands. Source and Liberation of Energy in the animal body. Animal temperature.



Excretion: Functions of the Kidney and Skin. Chemistry of Urine.  
 Nervous System: Structure and Functions of the Brain and Spinal Cord. The Physiology of the Visceral or Autonomic System of Nerves.  
 Organs and Physiology of the Special Senses: Cutaneous and Muscular Sensations. Voice and Speech.

Text-books: to be recommended by the Professor of Physiology.

## PATHOLOGY AND BACTERIOLOGY.

### SUBJECTS.

#### (1) *General Pathology* :—

Anomalies of growth and development. Disturbances of circulation and nutrition. Pathology of the blood. Inflammation. Infection and Immunity. Tumours.

#### (2) *Morbid Anatomy* of the tissues, naked eye and microscopic.

#### (3) *Pathological Chemistry* :—

Qualitative and quantitative analysis of morbid products.  
 Microscopic methods used in Pathology, including microchemical methods.

#### (4) *Bacteriology* :—

Methods of cultivating, isolating, and examining micro-organisms.  
 Study of the characteristics of the various forms of Bacteria.  
 Methods of quantitative Bacteriological analysis. Applications of Bacteriology to Clinical Medicine. Infection and Immunity.

A special subject will be selected each year from the above Course, to which the candidates of that year will be expected to devote special attention.

In addition to the Winter and Summer Courses, given by the Lecturer in Pathology, two Practical Courses will be given in the Pathological Laboratory, viz. :—

(1) A Course of two months in Practical Bacteriology.

(2) A Course of three months in Pathological Chemistry and Microscopy.

The first Course may be taken in any year of the Medical curriculum.

The second cannot be taken before the session in which the Winter Course in Pathology is being attended.

The Courses will be given on three days in each week, for two hours each day, during the Winter Session. The total number of hours will be about 120.

Students will be allowed to work in the Laboratory at certain times outside the regular class hours.

### *Books recommended.*

Cohnheim's Lectures in Pathology.

Ziegler, Pathological Anatomy.

Ainley Walker, Infection and Immunity.

Mallory and Wright's Practical Pathology.

Salskowski, Practical Pathological Chemistry.

Muir and Ritchie, Bacteriology.

Notice of Candidature, with subjects chosen, must be given to the Senior Lecturer on or before June 15th.

## MODERATORSHIPS IN HISTORY AND POLITICAL SCIENCE

[Candidates will take notice that there may be passages set in Latin, French, and German for translation and comment.]

**I.—General History.** (2 Papers.) 250 marks.

General Outline of Ancient Greek and Roman History, to A.D. 285.

and General Outline of Mediæval and Modern European History, from A.D. 285–1848.

Books suggested as suitable for reading—Bury's History of Greece; How and Leigh's History of Rome to the death of Cæsar; Bury's Students' Roman Empire; Robinson's History of Western Europe.

**II.—Special Periods of Ancient or Modern History**  
(2 Papers.) 350 marks.**A. Ancient History.**

1. Special period of Greek history with original authorities:—

*The Pentekontaeteia* (479–431 B.C.).

[Candidates are recommended to use Holm's History of Greece, and Hill's Sources for Greek History.]

2. Special period of Roman history with original authorities:—

*The Gracchi, Marius, and Sulla* (133–78 B.C.).

[Candidates are recommended to use the Histories of Rome by Mommsen and Greenidge, and Greenidge and Clay's Sources for Roman History.]

**or B. Modern History, special period:—**

*The French Revolution: its history, causes, and antecedents.*

The following books are specially prescribed:

Morse Stephens, . *Orators of the French Revolution* (omitting in vol. II Barère iv–xi incl. and Baudin).

Arthur Young, . *Travels in France* (ed. Betham Edwards).

The following books are recommended, but not as compulsory subjects of study:

Morse Stephens, . *The French Revolution.*

Aulard, . *The French Revolution* (ed. Miall).

Lavissee, . *Histoire de France*, vol. IX.

Morse Stephens, . *Revolutionary Europe.*

The Cambridge Modern History, vol. VIII.

Taine, . *L'Ancien Régime.*

De Tocqueville, . *L'Ancien Régime et la Révolution Française.*

Burke, . *Reflections on the French Revolution.*

Acton, . *Lectures on the French Revolution.*

Mahan, . *Influence of Sea power upon the French Revolution*, vol. I.

Morley, . *Rousseau.*

Morley, . *Voltaire.*

Sorel, . *L'Europe et la Révolution française*, tome I, livre I.

**III.—Constitutional History.** (1 Paper.) 100 marks.

**A.** Warde-Fowler's City State of the Greeks and Romans.

Text of the Treatise 'Ἀθηναίων πολιτεία.

Gilbert (G.), The Constitutional Antiquities of Sparta and Athens.

Greenidge (A. H. J.), Roman Public Life.

or **B.** ENGLISH CONSTITUTIONAL HISTORY, to 1832.

[Candidates are referred to the books recommended for the Honor Examinations in English Constitutional History, in the Junior Sophister year.]

A knowledge of the text of the following documents will be required :

*The Charter of Liberties of Henry I.*

*The Constitutions of Clarendon. Magna Carta.*

*Confirmatio Cartarum.*

*The Petition of Right.*

*The Instrument of Government.*

*The Bill of Rights.*

*The Act of Settlement.*

*The Act of Union between England and Scotland.*

*The Act of Union between Great Britain and Ireland.*

*The Reform Act of 1832.*

**IV.—Political Science.** (1 Paper.) 100 marks.

**A.** Aristotle's Politics.

Freeman's Comparative Politics.

or **B.** Bluntschli's Theory of the State.

Egerton's Federations and Unions in the British Empire.

Sidgwick's Development of European Polity.

A. L. Lowell's Governments and Parties in Continental Europe.

**V.—Economic History.** (1 Paper.) 100 marks.

The Examination in this subject will include:—

The outlines of Ancient Economic history.

or English Economic history.

The following books are recommended:—

**A.** Cunningham (W.), Western Civilization in its Economic Aspects. Part I. (Ancient Times).

Francotte (H.), L'Industrie dans la Grèce ancienne. Book I., chaps. 1, 2, 4, 6, 7; Book II., chaps. 2, 7; Book III., chap. 4; Book IV., chaps. 4, 5.

Mommsen's Roman History (the portions in the following chapters which deal with Economics:—Book I., chap. 13; Book II., chap. 8; Book III., chap. 12; Book IV., chap. 11; Book V., chap. 11).

Levasseur (E.), Histoire des classes ouvrières, Book I.

or **B.** Meredith, . *Economic History of England.*

Unwin, . *Industrial Organization.*

Seeböhm, . *English Village Community.*

Webb, . *History of Trade Unionism.*

Johnson, . *The Disappearance of the Small Landowner.*

Ashley, . *English Economic History.*

Rand, . *Selections illustrating Economic History,*  
Chaps. 2, 5, 6, 9, 10, 18, 22.

**VI.—Ancient and Modern History.****A. For Candidates in Ancient History :—**

*Greek and Latin Epigraphy* (1 paper), 100 marks.

(Candidates to consult the Professor of Ancient History for particulars.)

**B. For Candidates in Modern History :—**

*English and Irish History*, 449–1837 A.D. (1 paper), 100 marks.

(Candidates are referred to the books recommended for the Honor Examinations in English and Irish History in the Freshman Years.)

Candidates for Moderatorship who are members of the Army Class may substitute Military History and Geography for V. Economic History, and VI, Ancient and Modern History.

**Military History and Strategy. (100 marks.)**

*The General Principles of Strategy in Civilized Warfare.*

Candidates will be required to have such a knowledge of all campaigns, since 1750, in which Great Britain has been engaged, and of other campaigns during the same period, as will enable them to deduce from these the strategic lessons they teach, or to illustrate the application of strategic principles to the conduct of war.

Also to know so much of the political causes that led to these campaigns as may have directly affected the strategic operations.

The general scope of this paper is indicated by the following works :—

Hamley's "Operations of War."

James' "Modern Strategy."

Any recognized work dealing with campaigns subsequent to the Russo-Japanese War of 1904–5.

Any recognized work dealing with British campaigns.

**Military Geography. (100 marks.)**

Candidates will be required to have such a knowledge of the influence on strategy of geography as is indicated in the following works :—

May's "Introduction to Military Geography."

Maguire's "Military Geography."

Notice of Candidature, with Courses chosen, must be given to the Senior Lecturer on or before June 15th.



## MODERATORSHIPS IN MODERN LITERATURE.

The subjects of Examination are—

- I. English Language and Literature.
- II. French Language and Literature.
- III. German Language and Literature.
- IV. Italian Language and Literature

The languages in which the candidates have competed will be marked on the returns sent in by the Examiners, and on the medals awarded. Candidates taking two foreign languages will be required to show their competence in English Composition. For that purpose subjects for English Essay will be proposed to them.

All Candidates must present themselves in any two, and two only, of the sections, English Language and Literature, French Language and Literature, German Language and Literature, Italian Language and Literature. They must inform the Senior Lecturer before the end of Trinity Term in what two sections they intend to compete.

The proficiency of Candidates will be tested by papers and oral Examination as well as by Composition in the languages which they have chosen.

The Courses in the several Departments are as follows :—

I.—*English Language and Literature.*

The History of English Literature : based upon the study of such works as Courthope's History of English Poetry (6 vols., Macmillan), and the more important authors in the five vols. of Craik's English Prose Selections.

Literary Criticism : as represented by—

Aristotle's Poetics : English translation.

Sidney : Apology of Poetry.

Dryden : Essay of Dramatic Poesy ; Preface to the Fables.

Addison : Critical Essays from the Spectator.

Johnson : Lives of Milton, Dryden, Pope.

Coleridge : Lectures on Shakespeare.

Dowden's Mind and Art of Shakespeare.

Macaulay : Essay on Moore's Life of Byron.

M. Arnold : Critical Essays.

Chaucer : as in Undergraduate Course.

Langland : Piers Plowman.

Shakespeare : as in Undergraduate Course.

Marlowe : Tamburlaine ; Edward II.

Lamb's Specimens of English Dramatic Poets (not including the Garrick Plays).

Milton : as in Undergraduate Course.

Palgrave's Golden Treasury.

II.—*French Language and Literature.*

The subjects for examination are divided into Four Groups. Of these, the first two are compulsory. Each candidate must, in addition, take either the third or the fourth group at his option.

NOTE.—Candidates are expected to make themselves acquainted with the outlines of the History of France in so far as it bears on the work prescribed.

The Four Groups are as follows :—

GROUP I (Compulsory).

1. Translation from English into French.
2. Translation into English of Unprepared Passages of French.
3. An Essay in French on one of several literary subjects proposed.
4. (a) Grammar of Modern French, including Phonetics.  
      (b) Outlines of the Historical Development of the French Language.  
      (c) Outlines of the Historical Development of French Versification.

NOTE.—Separate papers on Section (4), sub-sections (a), (b), and (c), will be set for Candidates taking Group IV.

GROUP II (Compulsory).

Selected Authors and Texts of the Sixteenth, Seventeenth, and Eighteenth Centuries (as below).

GROUP III (Optional).

Selected Texts of the Nineteenth Century (as below).

GROUP IV (Optional).

- (a) A more detailed knowledge of the History of the French Language up to the end of the Fifteenth Century.
- (b) A detailed knowledge of the dialects of Old French up to the end of the Thirteenth Century.
- (c) Selected Medieval Texts (as below).

PRESCRIBED BOOKS.

GROUP II.

Candidates must show a first-hand acquaintance with the principal works of—Ronsard, Racine, Molière, and Corneille.

They will also be examined in :—

Voltaire: *Choix de Lettres* (Brunel—Hachette).

Voltaire: *Extraits en Prose* (Brunel—Hachette).

Diderot: *Extraits* (Texte—Hachette).

Selections from the French Lyric Poets of the Seventeenth Century (Manchester University Press).

GROUP III.

Brunetière: *L'Evolution de la Poésie lyrique en France.*  
                   *H. de Balzac.*

Balzac: *Le Curé de Tours.*  
           *Le Cabinet des Antiques.*  
           *Eugénie Grandet.*

Barrès: *Colette Baudoche.*  
           *Le Voyage de Sparte.*  
           *La Colline Inspirée.*

Leconte de Lisle: *Poèmes Antiques.*  
                       *Poèmes Barbares.*  
                       *Poèmes Tragiques.*

Musset: *As for the Senior Freshman Course.*

V. Hugo: *Les Contemplations.*

Sainte-Beuve: *As for the Junior Freshman Course.*

Banville: *Florise.*

L. de Cardonnel: *Poèmes, Carmina Sacra.*

Huysmans: *La Cathédrale.*

## GROUP V.

- (a) (b) Brunot : Histoire de la Langue Française (Colin), vol. i.  
 (c) La Vie de Saint Alexis (in Champion's Classiques Français du Moyen-Age).  
 Le Pèlerinage de Charlemagne (Karls des Grossen Reise nach Jerusalem, ed. Koschwitz, pub. Reisland, Leipzig).  
 La Chanson de Roland (in Mudie's Bibl. Romanica).  
 Gormund et Isembard (in Champion's Classiques Français du Moyen-Age).  
 La Chastelaine de Vergi (same series).  
 Adam le Bossu : Le Jeu de la Feuillée (same series).  
 Aucassin et Nicolette (ed. Suchier-Counson, published Schöningh, Paderborn).  
 Villon : Lais et Testament (in Champion's Classiques Français du Moyen-Age).  
 Courtois d'Arras (in Champion's Classiques Français du Moyen-Age).

The distribution of Papers and allotment of Marks will be as follows :—

GROUP I.	(1) One hour and a half,	75 marks.	
	(2) One hour and a half,	50 marks.	
	(3) One hour,	50 marks.	
	(4) Two hours,	75 marks.	
GROUP II.	Three hours,	100 marks.	
GROUP III.	Three hours,	100 marks	} alternatively.
GROUP IV.	Three hours,	100 marks	
VIVA VOCE,	.	50 marks.	
Total,		500 marks.	

III.—*German Language and Literature.*

The subjects for examination are divided into Four Groups. Of these, the first two are compulsory. Each candidate must in addition take either the third or the fourth group at his option.

NOTE.—Students are expected to make themselves acquainted with the outlines of the History of Germany in so far as it bears on the literary period studied in each term.

## GROUP I (Compulsory).

1. Translation from English into German.
2. Translation into English of Unprepared Passages of German.
3. An Essay in German on one of several literary subjects proposed.
4. (a) Grammar of Modern German, including Phonetics.  
 (b) Outlines of the Historical Development of the German Language.  
 (c) Outlines of the Historical Development of German Versification.

NOTE.—Separate papers on Section 4 (a), (b), and (c) will be set for candidates taking Group IV.

## GROUP II (Compulsory).

Selected texts (as below).

## GROUP III (Optional).

1. A more detailed knowledge of the History of German Literature in the Eighteenth and Nineteenth Centuries.
2. Texts selected from the above period (as below).

## GROUP IV (Optional).

1. Philology of the German Language.
2. Grammar of Old English.
3. Selected Medieval Texts (as below).

## PRESCRIBED BOOKS.

- GROUP I., . Kauffmann : Deutsche Metrik.  
Weise : Unsere Muttersprache.
- GROUP II., . Walther von der Vogelweide : Gedichte.  
Der Nibelunge Nôt (Sammlung Götschen 1).  
Kudrun und Dietrich-Epen in Auswahl (Sammlung Götschen 10).  
Hartmann von Aue, Wolfram von Eschenbach und  
Gottfried von Strassburg (Sammlung Götschen 22).  
Freytag : Bilder aus der deutschen Vergangenheit.  
Vol. i.
- GROUP III., . Lessing : Minna von Barnhelm, Emilia Galotti ; die  
Hamburgische Dramaturgie.  
Goethe : Lieder, Balladen, Vermischte Gedichte ; Götz  
von Berlichingen, Iphigenie auf Tauris, Faust.  
Schiller : Balladen, philosophische Gedichte ; Wallen-  
stein, Die Braut von Messina, Wilhelm Tell.  
Kleist : Der Zerbrochene Krug, Prince Friedrich von  
Homburg.  
Grillparzer : Die Ahnfrau, König Ottokars Glück und  
Ende, Der Traum, ein Leben.  
Hebbel : Agnes Bernauer, Die Nibelungen.
- GROUP IV., . Wright : Historical German Grammar.  
Wright : Gothic Grammar.  
Braune : Abriss der althochdeutschen Grammatik.  
Sievers : Abriss der angelsächsischen Grammatik.  
Sweet : Anglo-Saxon Reader (Prose Extracts).  
Braune : Althochdeutsches Lesebuch.  
Wyld : Historical Study of the Mother Tongue.

The Distribution of Papers and allotment of Marks will be as follows :—

GROUP I.	(1) One hour and a half,	75 marks.	} alternatively.
	(2) One hour and a half,	50 marks.	
	(3) One hour, . . .	50 marks.	
	(4) Two hours, . . .	75 marks.	
GROUP II.	Three hours, . . .	100 marks.	
GROUP III.	Three hours, . . .	100 marks.	}
GROUP IV.	Three hours, . . .	100 marks.	
VIVA VOCE,	. . . . .	50 marks.	
Total,		500 marks.	



IV.—*Italian Language and Literature.*

The subjects for examination are divided into Four Groups. Of these the first two are compulsory. Each candidate must, in addition, take either the third or the fourth group at his option.

NOTE.—Candidates are expected to make themselves acquainted with the outlines of the History of Italy in so far as it bears on the work prescribed.

## GROUP I. (Compulsory).

1. Translation from English into Italian.
2. Translation into English of Unprepared Passages of Italian.
3. An Essay in Italian on one of several literary subjects proposed.
4. (a) Grammar of Modern Italian, including Phonetics.  
(b) Outlines of the Historical development of the Italian Language.  
(c) Outlines of the Historical development of Italian Versification.

NOTE.—Separate papers on Section (4), sub-sections (a), (b), and (c), will be set for candidates taking Group IV.

## GROUP II. (Compulsory).

Selected Texts of Classical Italian Literature (as below).

## GROUP III. (Optional).

Selected Texts of the nineteenth century (as below).

## GROUP IV.

The History of the Italian Language.

(For further information apply to the Professor).

NOTE.—Candidates proposing to offer Group IV must give notice to the Senior Lecturer and to the Professor on or before June 15th in the year *preceding* that in which they propose to present themselves.

## PRESCRIBED BOOKS.

- GROUP I. (3).—Candidates should read *either*  
De Sanctis: *Storia della Letteratura italiana* (Bari—Laterza);  
or  
Hauvette: *Littérature italienne* (Paris—Armand Colin).

- GROUP II., . Dante : *Divina Commedia*.  
 Petrarca : *Rime*.  
 Sannazaro : *L'Arcadia*.  
 Poliziano : *L'Orfeo* (ed. Donati, pub. Albrighi, Secati and C., Rome).  
 Tasso : *L'Aminta*.  
 Guarini : *Il Pastor Fido*.  
 Marino : *Poesie Varie* (ed. Croce, pub. Laterza, Bari).  
 Lirici Marinisti (ed. Croce, pub. Laterza, Bari) :  
     Stigliani, Achillini, Preti, Materdona.  
 Metastasio : *Drammi scelti, etc.* (ed. Scuppa, pub. Albrighi, Secati and C., Rome).  
 Ariosto : *Orlando furioso, Episodi scelti* (ed. Turri, pub. Sansoni, Florence).  
 Berni : *Orlando innamorato, Testo scelto* (ed. Albin, pub. Sansoni, Florence).  
 Boccaccio : *Novelle scelte* (ed. Fornaciari, pub. Sansoni, Florence).

- GROUP III., . Manzoni : *Poesie liriche*.  
 Leopardi : *Prose morali*.  
 Fogazzaro : *Piccolo mondo antico*.  
 Giacosa : *Il Conte rosso*.  
 Carducci : *Antologia Carducciana* (Bologna—Zanichelli).  
 D'Annunzio : *Prose scelte* (Milan—Treves).  
 Nencioni : *Saggi critici sulla letteratura italiana*.  
 Gozzano : *L'Altare del Passato* (Milan—Treves).  
 „ : *I Colloqui* (Milan—Treves).  
 Morselli : *Orione. Glauco* (Milan—Treves).  
 Vismara : *Lirica italiana del Rinascimento* (Florence—Libreria Editrice Fiorentina).  
 Torraca : *Scritti critici* (Naples—Perrella) [Jacopo Sannazaro].  
 Carducci : *Saggi sul Tasso e su Ludovico Ariosto*.

- GROUP IV., . Apply to the Professor.

The Distribution of Papers and allotment of Marks will be as follows :—

GROUP I.	(1) One hour and a half,	75 marks.	} alternatively.
	(2) One hour and a half,	50 marks.	
	(3) One hour,	50 marks.	
	(4) Two hours,	75 marks.	
GROUP II.	Three hours,	100 marks.	
GROUP III.	Three hours,	100 marks.	}
GROUP IV.	Three hours,	100 marks.	
VIVA VOCE,	.	50 marks.	

Total, 500 marks.

Notice of Candidature, with groups chosen, must be given to the Senior Lecturer on or before June 15th.

## MODERATORSHIPS IN LEGAL AND POLITICAL SCIENCE.

The subjects of examination, and the marks to be assigned to the several subjects are as follows:—

## I. Roman Law : one paper (120 marks).

Candidates will be examined in the Course of Roman Law prescribed for Honors in the Junior Sophister year, together with a special portion of the Digest. In 1919, and until further notice, the portion will be—Book ix, Title 2 (Ad Legem Aquiliam).

## II. Jurisprudence and International Law : one paper (100 marks).

## (a) Jurisprudence.

Analytical and Historical Jurisprudence, as appointed in the Sophister Honor Courses.

## (b) International Law.

The Course of International Law appointed for the Honor Examinations of the Junior Sophister year, to be studied in greater detail in one of the larger text-books (e.g. 'Hall's International Law'), together with a special topic of International Law. In 1914, and until further notice, this topic will be 'The Law of Contraband and Blockade.'

## (c) Private International Law.

The general principles of the subject.  
[Westlake, 'Private International Law.']

## III. Constitutional History and Law, and Legal History : one paper (120 marks).

The Junior Sophister Honor Course studied in greater detail, together with the leading features of English legal institutions.

[Medley, English Constitutional History.  
Anson, Law and Custom of the Constitution.  
Carter, History of English Legal Institutions.]

## IV. Law of Property and Equity ; General : one paper (120 marks).

The leading features of the Law of Property and the Principles of Equity, as treated in the Sophister Honor Courses.

## V. Law of Property and Equity ; Special : one paper (100 marks).

In 1919, and until further notice, the subjects will be  
(a) Easements, (b) Guarantee and Suretyship.

## VI. The Law of Obligations : one paper (120 marks).

The Law of Contract and Torts, as appointed for the Sophister Honor Courses.

VII. Criminal Law and the Law of Evidence : one paper (100 marks).

The Law of Evidence, as appointed for the Junior Sophister Honor Course, together with the general principles of Criminal Law.

[Stephen, Digest of Criminal Law.

Kenny, Cases on Criminal Law, Parts I. and II.]

VIII. Political Science : one paper (100 marks).

In addition to the general course prescribed for Honors in the Sophister years, Candidates will be required to show acquaintance with the general principles of Politics ; the structure, functions, and development of the State ; and the history of political theories, together with a prescribed text. In 1919, and until further notice, the prescribed text will be "The Federalist," Letters 1-XXXVIII, inclusive.

IX. Economics : one paper (120 marks).

In addition to the general course prescribed for Honors in the Junior Sophister year, the subjects of Currency, Banking, Foreign Trade, and Socialism are appointed for special study :—

Taussig, Principles of Economics.

E. C. K. Ensor, Modern Socialism.

Dunbar, Theory and History of Banking ;

Clare, Money-Market Primer ;

Notice of Candidature must be given to the Senior Lecturer, on or before June 15th.

MODERATORSHIPS IN ENGINEERING SCIENCE.

Candidates whose names are on the Register of the Engineering School may, at the close of their Senior Sophister year, compete for Moderatorships in Engineering Science.

The Course for these consists of the general Courses arranged for the Experimental Science Moderatorship, and one of the following three Courses (in place of the Special Course in either Physics or Chemistry, as required for the Experimental Science Moderatorship) :—

- I. Civil Engineering and Materials used in Construction, as lectured on by the Professors of Civil Engineering and Geology.
- II. Electrical and Mechanical Engineering, as lectured on by the Erasmus Smith Professor of Experimental Science, the Lecturer in the Practice of Electrical Engineering, and the Lecturer in Mechanical Engineering.
- III. Geology, Petrology, Mining, and Mineralogy, as lectured on by the Professor of Geology.



This Special Course includes Practical work in the Laboratories of Mechanical Engineering, Electrical Engineering, or Geology, according to the Course selected.

Notice of Candidature, with Courses chosen, must be given to the Senior Lecturer on or before June 15th.

### MODERATORSHIPS IN CELTIC LANGUAGES.

(a) Irish Texts—

The Würzburg Glosses.

Táin Bó Cúalnge (ed. Strachan and O'Keefe, supplement to Ériu).

Fled Bricrend.

Tri Bhir-Ghaoithe an Bháis.

Imram Brain.

(b) Comparative Grammar of the Celtic Languages

(c) Composition in Irish.

(d) Irish Metric.

(e) Elements of Palæography.

(f) Joyce: Social History of Ancient Ireland.

Rhys: Celtic Britain.

J. Mac Neill: Phases of Irish History.

(g) Welsh Texts—

Strachan, Introduction to Early Welsh, the Reader (omitting vii, viii, and ix);

Breuddwyd Maxen;

Branwen veirch Lyr.

The marks are assigned in the following scale:—

1. Old and Middle Irish Texts, ..	..	..	..	..	350
2. Comparative Grammar, ..	..	..	..	..	150
3. Welsh Texts, ..	..	..	..	..	150
4. Joyce's and Rhys' books, as above, ..	..	..	..	..	150
5. Modern Irish (texts, composition, and <i>viva voce</i> ), ..	..	..	..	..	200

Notice of Candidature must be given to the Senior Lecturer on or before June 15th.

## Lectures.

THE Lecturing Staff in the University of Dublin consists of the Junior Fellows and Professors.

Lectures are delivered in all the Courses by which Terms may be kept in Arts, or in which Honors can be obtained at the Term Examinations, in the subjects which are studied in the Professional Schools, and in various other departments of knowledge.

### LECTURES IN ARTS WHICH COUNT TOWARDS THE KEEPING OF TERMS.

#### ORDINARY AND HONOR LECTURES.

*Mathematics, Mathematical Physics, Classics, Mental and Moral Philosophy, and Experimental Physics.*—Lectures in the above subjects are delivered by the Tutor Fellows to the Students in Arts, at hours announced in each Term.

Special Lecturers are selected to lecture Candidates for Honors in Mathematics, Mathematical Physics, Classics, and Mental and Moral Philosophy.

*Legal and Political Science.*—Special Lecturers are selected to lecture Candidates for Honors in this subject.

*Chemistry.*—The following Courses of Lectures are delivered:—  
*First year:* (1) a Course on General Elementary Chemistry, three days a week, during Michaelmas and Hilary Terms; (2) a Course of Honor Lectures, once a week, supplementing the above. *Second year:* a Course of Honor Lectures on Inorganic Chemistry, once a week, during the three Terms. *Third year:* (1) a Course of Honor Lectures on Organic Chemistry, twice a week, during the three Terms; (2) a Course of Honor Lectures on Physical Chemistry, once a week, during the three Terms. *Fourth year:* occasional Honor Lectures on Inorganic, Organic or Physical Chemistry, according to the subject selected by Candidates for Moderatorship for Specialisation.

*Practical Chemistry.*—Instruction is given in the Laboratory in all branches of Pure and Applied Chemistry, and facilities are provided for research.

*Botany, Zoology, and Geology.*—The Professor of Botany lectures Junior Sophisters upon three days in each week during six weeks of Michaelmas and of Hilary Terms. The Professor of Zoology lectures during the same period upon alternate days with the Professor of Botany. The Professor of

Geology and Mineralogy lectures Senior Sophisters during the same period. In Michaelmas and Hilary Terms Demonstrations are given to Honor Students in Arts: in Botany, by the Professor of Botany, and in the Anatomy of the Invertebrates, by the Professor of Comparative Anatomy. Each of the Professors of Botany and of Zoology gives a Course of Demonstrations in Trinity Term. In Michaelmas Term the Professor of Geology and Mineralogy gives a second Course of Lectures on Mineralogy and Petrology.

*French.*—Honor Lectures are delivered by the Professor of Romance Languages to Senior Sophisters, Junior Sophisters, Senior Freshmen, and Junior Freshmen. Lectures in the Ordinary Course are delivered by the Tutors, assisted, when the numbers require it, by a special lecturer appointed by the Board.

*German.*—The Professor of German lectures Senior Sophisters on three days per week, Junior Sophisters on three days per week, and also lectures the Senior and Junior Freshmen.

#### LECTURES FOR CANDIDATES FOR MODERATORSHIPS.

*Mathematics and Mathematical Physics.*—Erasmus Smith's Professor of Mathematics delivers Lectures on three days in each week. The University Professor of Natural Philosophy delivers Lectures on three days in each week; the days and hours are fixed at the commencement of each Term.

*Classics.*—The Professor of Greek delivers Lectures on Tuesdays, Thursdays, and Saturdays, during Term. The Professor of Latin delivers Lectures on Mondays, Wednesdays, and Fridays, during Term. The Professor of Ancient History and Classical Archæology lectures during Term, on days of which public notice is given. The Professor of Sanskrit lectures on Comparative Grammar, on two days in each week, during Term.

*Mental and Moral Philosophy.*—The Professor of Moral Philosophy delivers Lectures during Term, of which public notice is given. Lectures are also delivered to the Senior Sophister Class by one of the Honor Lecturers in Mental and Moral Philosophy.

*Experimental Science.*—Candidates may attend the Lectures of the Professors of Experimental Philosophy, and of Chemistry. In Experimental Physics, the Honor Lectures of the Assistant may be substituted for the ordinary Lectures of the Professor. Notice of the days and hours of these Lectures is given at the commencement of each Term. Candidates for Moderatorships in Experimental Science are entitled to attend the Laboratory of the Professor of Chemistry, from the 1st of November to the 30th of June, on payment of three guineas to the Junior Bursar.

*Natural Science.*—Candidates may attend the Lectures and Demonstrations of the Professors of Botany and of Zoology. In Trinity Term the Professor of Geology and Mineralogy gives Demonstrations to Candidates for Moderatorships in Natural Science.

*History and Political Science.*—The Professor of History lectures in each week during Term. The Professor of Political Economy lectures in each Term on General Economics. Lectures are also given for Honor and Moderatorship Candidates on (1) Economic Theory, (2) Economic History.

Lectures on Political Science are delivered twice weekly during Lecture Term.

*Modern Literature.*—Candidates may attend the Lectures of the Professor of English Literature, of the Professor of the Romance Languages, and of the Professor of German. In Trinity Term, the Professor of German gives Prelections on some subject connected with the Literature of Germany, which are open to the public, and are advertised in the daily papers.

#### LECTURES IN THE PROFESSIONAL SCHOOLS.

An account of these Lectures will be found in the sections dealing with each School. Lectures connected with the Professional Schools which are not intended for Professional Students exclusively are also mentioned below under the head "Miscellaneous Lectures," or "Public Lectures."

#### MISCELLANEOUS LECTURES AND COURSES OF INSTRUCTION.

*Astronomy.*—The Professor of Astronomy lectures on Mondays and Fridays in Hilary Term.

*Experimental Science.*—Any Graduate of Dublin University who desires to pursue a post-graduate Course of Instruction in the Physical Laboratory shall be permitted to do so on payment of six guineas for a Course extending over three Terms. (Register, May 9, 1903.)

Extern Students may be admitted to the Laboratory Courses on the following conditions:—

The name should in each case be recommended by the Professor.

The fee for a nine months' Course should be £10 10s., half to be paid to the Cista Communis, and half to the Professors or Examiners of whose aid the Student should avail himself.

The number so admitted is to be so restricted as not to interfere with the education of the College Students. (Register, June 17, 1904.)



*Fees for the Chemical Laboratory*.—Students on the College books pay (a) for Ordinary Course, one guinea a Term for one half day a week, or two guineas a Term for three half days a week; (b) for Honor Course in Freshman years, one guinea a Term for one half day a week, or two guineas a Term for three half days a week; (c) for Honor Course in Sophister years, one guinea a Term for three half days a week, or two guineas a Term for more than three half days a week, provided that the total fee for the Moderatorship Course shall not be less than twelve guineas, nor more than eighteen guineas; (d) for all other Courses, one guinea a Term for one half day a week, or two guineas a Term for three half days a week, or three guineas a Term for more than three half days a week. (A Medical or Engineering Student whose Professional Fee covers a Course in Practical Chemistry in any Term, and who wishes to do more work in the Laboratory, pays a half fee for such additional work in that Term.)

Graduates working for Sc.B. pay two guineas a Term.

Graduates of any approved University not on the College Books (working for the Sc.B. Degree), pay £3 10s. a Term.

Pharmaceutical Students pay five guineas for 100 hours.

All other Students pay two and a half guineas a Term for one half day a week, or three and a half guineas a Term for three half days a week, or four and a half guineas a Term for more than three half days a week.

*Masters in Science*.—Candidates for the Degree of Master in Science may work in the Laboratories under the Professor's supervision at a fee of £5 for the year, including the use of the ordinary Laboratory apparatus and material. If special apparatus be required, application should be made, supported by the Professor.

*Political Economy*.—The Professor of Political Economy delivers a Course of at least nine Lectures during some one of the three Academical Terms, which are free to all Students.

*English Literature*.—The Professor of English Literature delivers Lectures on three days in the week during Term.

*Hebrew Lectures*.—All Students are permitted to attend Hebrew Lectures. The Professor of Hebrew delivers public Prelections from time to time as required by the Rules of Erasmus Smith's Board, and, in addition, lectures the Senior Class. Due notice of the hours at which these Lectures are held is given at the beginning of each Term. The Lectures of the Assistants are delivered on Tuesdays and Thursdays, at nine o'clock. For the regulations and subjects of these Lectures, see below, Divinity School, § v.

*Irish*.—The Professor of Irish lectures on two days in the week during Term. The Students attending these Lectures are divided into three Classes—Junior, Middle, and Senior. The Lectures to

the First Class are elementary ; those to the Middle and Senior Classes are intended for such Students as have made some progress in the Irish Language. Notice of the days and hours of Lecture is given at the beginning of each Term.

The Examination for Prizes is held in Trinity Term. For the regulations of the Examination, see under "Prizes in Irish."

*Sanskrit.*—The Professor of Sanskrit teaches such Students as may present themselves for instruction, at the commencement of each Term, at the rate of three guineas per Term.

#### PUBLIC LECTURES.

The following Lectures are open to the public, as well as to all Students:—

The Prelections of—

- The Professor of German.
- The Regius Professor of Divinity.
- Archbishop King's Professor of Divinity.
- The Professor of Hebrew.
- The Professor of Biblical Greek.
- The Regius Professor of Laws.
- The Regius Professor of Feudal and English Law.

The Lectures of—

- The Professor of Astronomy.
- The Professor of Ancient History.
- The Professor of Moral Philosophy.
- The Professor of Geology and Mineralogy.
- The Professor of Ecclesiastical History.
- The Professor of Irish.
- The Professor of Comparative Anatomy to Medical Students.

Four Lectures of—

- The Professor of Natural and Experimental Philosophy.
- The Professor of Oratory.

#### DONNELLAN LECTURES.

The Donnellan Lecture was founded by the Board on February 22, 1794, in order to carry out the intentions of Mrs. Anne Donnellan, of the parish of St. George, Hanover-square, County Middlesex, spinster, who bequeathed £1243 to the College "for the encouragement of religion, learning, and good manners ; the particular mode of application being left to the Provost and Senior Fellows."

The regulations originally drawn up by the Board with respect to this Lecture have been altered from time to time, so that they are now as follows:—

The appointment of the Lecturer is made by invitation of the Board, one year in advance, on a day not later than the last Saturday in November in each year.

The subject is agreed upon by the Board and the Lecturer, and treated of in not less than three Lectures, which are delivered in one of the public Halls of the College.

The salary of the Lecturer consists of the interest on £1200 for one year, amounting to about £52, and is paid to him, after he shall have delivered the whole number of Lectures, by the Bursar, at such times and in such sums as the interest is received.

## Election to Fellowship and Scholarships.

The rules determining the conditions of election to Fellowship are set forth in Chap. VII. of the College Statutes, and have been modified by the following Ordinances :—

### EXTRACT FROM AN ORDINANCE CONCERNING THE ELECTION OF FELLOWS, &c.

[May 24, 1920.]

Elections to Fellowship shall be held as frequently as the Board shall from time to time decide to be requisite for the maintenance of a sufficient staff of teachers, and in the general interest of the College, but so that the total number of Fellows—Senior and Junior—shall not be allowed to fall permanently below twenty-seven (exclusive of Professors elected to Fellowship under the provision of 1 Geo. V, 4 (7) (e), and of Honorary Fellows). And if in any year the number of Fellows shall by the resignation, retirement, or death of one or more Fellows fall below twenty-seven, then the Board shall not later than the first day of October next following take steps towards the election of one or more Fellows to make up the number, either according to the method hereinafter described or under the power of electing without examination conferred by the Ordinance of March 29th, 1916.

Except in the cases of election under the Ordinance of March 29th, 1916, and of the election of Professors to Fellowship under the provision of 1 Geo. V, 4 (7) (e), and of the election of Honorary Fellows, all Fellows shall be elected in the following manner :

Not less than six months before Trinity Monday of any year in which the Board shall determine to hold an election to Fellowship, the Board shall give public notice of the subject or subjects in which they propose to elect a Fellow or Fellows. Only such persons shall be eligible as have held a Lectureship or Assistantship in the University of Dublin for at least two years, or shall have received special permission from the Board to offer themselves for election. In electing to these Fellowships the Board shall have regard to the attainments and qualifications of each candidate agreeably to the Statutes of the College, and to the ability which he has shown as a Lecturer, and to the requirements of the College at the time, as well as to the results of the examination referred to in (a) and (b).

(a) The fitness of the candidates shall be examined shortly before the date of election in such subjects and in such manner as the Board shall in each case determine by Examiners appointed for that purpose.

(b) The Examiners shall report to the Board on the merits of each candidate, and the Board shall after considering their report proceed to election in the form and manner prescribed by the Statutes : but if in the judgment of a majority of the Board sufficient merit has not been shown no candidate shall be elected.



## ORDINANCE EMPOWERING THE BOARD TO ELECT FELLOWS WITHOUT EXAMINATION.

[March 29, 1916.]

It is ordained by the Board of Trinity College, Dublin, with the written assent of a majority of the Fellows and the approval of the Visitors, that election to Fellowship may be made by the Board as may to them seem advisable in the interests of the College, not oftener than once in three years, after an estimate of the merit of candidates without examination, such candidates to be otherwise qualified according to the statutes: provided always that Fellows so elected shall have priority on the Roll of Fellows according to priority of election: and that for the purpose of giving effect to this ordinance the following rules shall be adopted and published, that is to say:—

Not oftener than once in three years a Fellowship may be awarded on grounds of distinguished merit, as shown primarily by the candidate's published work: provided always that no person shall be elected to such a Fellowship without the assent of a majority of the Fellows. In regard to such elections the Board shall announce beforehand what subject or subjects will be regarded as most important, and shall be guided by the requirements of the College at the time, and assisted by the report of a committee to be appointed by the Board to advise the Board upon the merits of the candidates. On this committee experts additional to those upon the College staff may be invited to serve. A candidate shall be selected by the Board after they have considered the report of the Committee, and the Board shall elect as soon as the required assent of the majority of the Fellows has been obtained.

Before the day of election every Candidate for Fellowship must send to the Provost his name, and the name of the county in which he was born.

On June 18, 1920, the Board resolved to elect a Fellow in 1921 for proficiency in Experimental Science.

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 FOUNDATION SCHOLARSHIPS.

Men are elected to Scholarships for merit in Classics or in Mathematics or in Experimental Science or in Modern Languages or in Natural Science or in History and Political Science, or in Mental and Moral Philosophy. In order to distinguish them from the holders of other Scholarships, they are termed Scholars of the House, or Scholars on the Foundation. The number of such Scholars is seventy, and they have important privileges. They receive from the College an annual salary of £20 Irish money; they have their commons free of expense, and their rooms for half the charge paid by other Students.<sup>a</sup>

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<sup>a</sup> This does not apply to that portion of the rent imposed to defray expenses incurred in papering or painting.

The tuition fees of Pensioners who are elected to Scholarships is one guinea per quarter, and of Fellow-Commoners, two guineas. They hold their Scholarships until the end of the June Quarter of the fifth year following their election, or following the time at which they become or might have become Masters of Arts, whichever period terminates first. All fees payable by Scholars for Tuition terminate after the quarter in which they take the Degree of Bachelor of Arts.

### *Exhibitions awarded to Scholars.*

Any Scholar who has not dropped a Class after the Michaelmas Examination of his Junior Sophister year, nor dropped more than one Class, and who obtains a Senior Moderatorship at the Degree Examination, and does not obtain one of the Studentships, is awarded one of certain Exhibitions of small value, to which Students are appointed by the Board, if such be then vacant, and such further Exhibition as shall raise the entire annual value of his Exhibition to £10. The Exhibition is tenable for three years, provided the holder's Scholarship lasts so long.

### *Waiterships.*

Before and after meat, grace was formerly said by certain of the Scholars in turn, who were called *Waiters*. This obligation was done away with by the Act 36 Victoria, chapter 21.

Ten Scholars, or other Students, are now annually appointed to say grace before and after meat in the Commons Hall, on the following conditions:—

1. They shall each receive a salary of £10 per annum, to be paid quarterly, if the duty has been satisfactorily discharged.
2. They shall be annually selected by the two Deans, and the names of those selected shall be submitted to the Board for appointment to the office.
3. Regard shall be had, in the selection, to the general character of the Student for regularity, steadiness, and general good conduct, as such qualities are the best security that the duties of the office will be properly discharged.

The grace must be repeated *memoriter* and in Latin, in a form prescribed by the Statutes of the College.

### *Keeping of Terms by Scholars.*

The following Rules have been passed by the Board, with regard to the attendance by Scholars at Lectures:—

- I. *Graduates*.—All Scholars who have actually passed the B. A. Degree Examination are exempted from suspension for non-attendance at Lectures.

II. *Undergraduates*.—1. Every Undergraduate Scholar shall be required to keep each Term, by attendance either at Lectures, or the subsequent Examination, on pain of being conditionally suspended.

2. Full attendance on the Lectures of the University Professors, such as would prove that an Undergraduate Scholar is engaged *bonâ fide* in preparation for the Moderatorship or Indian Civil Service Examinations, or in professional studies, shall be held sufficient to exempt him from suspension for that Term.

3. Any Undergraduate Scholar who shall have been conditionally suspended under the foregoing rule shall be restored on obtaining an Honor at a subsequent Examination.

4. Any Undergraduate Scholar who shall remain conditionally suspended for three Terms shall absolutely forfeit his salary for the past year, unless he shall produce to the Board satisfactory excuses for his neglect.

5. No student can compete for a Scholarship until after his name has been entered on the College books as a Junior Freshman, *i.e.* he cannot compete as a *rising* Junior Freshman. (See "Course in Arts," § 5.)

6. Any Scholar who shall fail to keep the Terms and Examinations necessary to enable him to proceed with his Class shall *ipso facto* forfeit his Scholarship, and no Scholar can have his name transferred to a lower Class without the express permission of the Board.

#### NON-FOUNDATION SCHOLARSHIPS FOR WOMEN.

As the Foundation Scholarships in Trinity College are tenable only by men, and it was desirable that Scholarships should be established for women :

It was decreed by the Board, with the approval of the Council and the consent of the Visitors, in Michaelmas Term, 1904 :

I. That Scholarships shall be established for women.

II. That, with the approval of the Council, the subjects of Examination for such Scholarships shall be the same as for the Foundation Scholarships hereinbefore mentioned, and that the Examinations for both shall be held at the same time and place.

III. That the value of such Scholarships shall be £30 a year, with exemption from ordinary College Fees, save the Tuition Fees of one guinea per quarter for which the Foundation Scholars are at present liable.

IV. That the period of tenure of such Scholarships, and the period during which the Tuition Fees shall continue to be payable, shall be the same as in the case of the Foundation Scholarships.



*Mode of Election.*

1. On or before the day of election every Candidate for Scholarship must send to each member of the Board or to the Registrar, his name, and the name of the county in which he was born. The form in which this is generally done is as follows:

Ego, A.B. — filius, natus in comitatu N., sub ferula — educatus,  
Discipulatum a te humillime peto.

No Candidate for Scholarship will be regarded as eligible unless he has paid the April current half-yearly fee of his class. This rule not to apply to Sizars. (Resolution of Board, May 21, 1920.)

2. The Examination for Scholarships is held on such days, not being less than four in number, in the seven week days preceding the commencement of Lectures in Trinity Term, as the Board shall fix and promulgate, at least ten months beforehand.

3. Candidates for Scholarships in Mathematics are examined in all the Pure and Applied Mathematics of the Undergraduate Honor Course for which a Junior Sophister Student would have been liable from his entrance up to the Trinity Examination of the Junior Sophister year inclusive. In the Examination equal weight is assigned to Pure and to Applied Mathematics.

4. Candidates for Scholarships in Experimental Science are examined in the Honor Courses in Experimental Science for the Junior and Senior Freshman years, and for the Hilary and Trinity Honor Examinations of the Junior Sophister year.

Examination Papers are set in (a) Mathematics, (b) Experimental Physics, (c) Chemistry, and a Practical Examination is held in both Experimental Physics and Chemistry; 100 marks each are allotted to (a), (b), and (c), and 50 marks to each of the two Practical Examinations.

The Course in (a) Mathematics is based on the Course in Experimental Physics extending so far as is necessary for the proper study of Experimental Science, and including Elementary Analytical Geometry, Elementary Differential and Integral Calculus, a knowledge of the simple harmonic function, Mechanics, Hydrostatics, and Geometrical Optics.

5. Candidates for Scholarships in Classics are examined in all the Classics of the Undergraduate Honor Course for which a Junior Sophister Student would have been liable from his entrance up to and including the Trinity Examination of the Junior Sophister year. The Course for *vivâ voce* Examination is as follows:—

<i>Greek Prose Authors,</i>	Plato : Gorgias. Demosthenes : De Corona. Thucydides : Book VII.
<i>Greek Poets,</i>	Homer : Iliad, Books XXI., XXII., XXIII., XXIV. Homer : Odyssey, Books VI., IX., XXI., XXII. Sophocles : Ajax, Antigone, Philoctetes. Euripides : Medea, Bacchae, Troades.



<i>Latin Prose Authors,</i>	. Livy : Books XXI., XXII. Tacitus : Histories, Books I., II.
<i>Latin Poets,</i>	. Virgil : Aeneid VII., VIII., IX. Horace. Terence : Adelphi, Phormio. Plautus : Trinummus, Captivi. Juvenal : Satires, I., III., IV., VII., VIII., X., XIII., XIV. Persius : Satires, I, II, III, V, VI.

They are also examined in Greek and Latin Composition, in English Composition, and in Greek and Roman History. The Course in History until further notice will be:—

Bury,	. History of Greece.
How and Leigh,	History of Rome.
Bury,	. Student's Roman Empire, Chaps. 1-25.

Together with the lectures of the Professor of Ancient History and Classical Archæology in Ancient History and Classical Archæology during the two academic years preceding each examination.

The *Vivâ Voce* Course is divided among eight Examiners. Greek and Latin Verse Composition are both compulsory subjects. The numbers assigned as marks to the various subjects of Examination are as follows:—

	Marks.
4 Papers of Passages,	60
8 Marks for <i>Vivâ Voce</i> ,	80
4 Greek and Latin Compositions,	60
English Essay on Classical subject,	15
Critical Paper,	20
Historical Paper,	35
	270

The subjects of Examination for Scholarships in Classics at the several hours are arranged as follows:—

FIRST DAY,	{ Morning, . . . Greek Prose Authors (with <i>vivâ voce</i> concurrently).
	{ Afternoon, . . . Greek Poets (with <i>vivâ voce</i> concurrently).
SECOND DAY,	{ Morning, . . . Latin Prose Authors (with <i>vivâ voce</i> concurrently).
	{ Afternoon, . . . Latin Poets (with <i>vivâ voce</i> concurrently).
THIRD DAY,	{ Morning, . . . Historical Paper (three hours).
	{ Afternoon, . . . English Essay on a Classical subject (one hour); Critical Paper (two hours).
FOURTH DAY,	{ Morning, . . . Greek Prose Composition (one hour and a half); Greek Verse Composition (one hour and a half).
	{ Afternoon, . . . Latin Prose Composition (one hour and a half); Latin Verse Composition (one hour and a half).

7. Candidates for Scholarships in Modern Languages are required to compete in both French and German. In French they will be examined in all the works of Corneille, Racine, Molière, Hugo, and Balzac prescribed in the Undergraduate Honor Course up to and including the Trinity Honor Examination for Junior Sophisters, and in German they will be examined in all the books so prescribed, with the exception of Gothic and Old High German.

An English Essay relating to the subjects of the Examination will be required, and will have considerable weight in the Election.

Women candidates for Scholarships in Modern Languages must not have passed the Degree Examination. (Resolution of the Board, March 23, 1907.)

8. The examination includes the following subjects:—

- (a) Prescribed books, as above (see pp. 112–115).
- (b) French and German Composition.
- (c) Translation at sight from French and German.
- (d) An English Essay.
- (e) A *Vivá Voce* examination in French and German.

The following is the scheme of papers and marks for this examination, which will be held concurrently with that for Classical Scholarships:—

	Marks.
First Morning: English Essay, . . . . .	100
First Afternoon: French and German Translation (two papers), . . . . .	100 + 100
Second Morning: French Composition, . . . . .	100
Second Afternoon: French Prescribed Books (Paper I), . . . . .	100
Third Morning: French Prescribed Books (Paper II), and <i>Vivá Voce</i> , . . . . .	100 + 50
Third Afternoon: German Prescribed Books (Paper I), . . . . .	100
Fourth Morning: German Composition, . . . . .	100
Fourth Afternoon: German Prescribed Books (Paper II), and <i>Vivá Voce</i> , . . . . .	100 + 50
	<hr/> 1000

9. Candidates for Scholarship in Natural Science are examined in the Honor Courses in Natural Science for the Junior Freshman and Senior Freshman Years, and for the Hilary and Trinity Honor Examinations of the Junior Sophister year.

In each of the three Divisions of Natural Science, i.e. Zoology, Botany, and Geology, two papers are set. There is, in addition, a practical examination in each Division. The papers in the

several Divisions and the marks assigned to them are allocated as follows:—

*Zoology*: Morphology 100; Physiology and Histology 100; Practical 100.

*Botany*: Morphology 100; Physiology 100; Practical 100.

*Geology*: Physical Geology 100; Stratigraphical Geology 100; Practical 100.

10. Candidates for Scholarships in History and Political Science are examined as follows:—

Six papers will be set for the Examination, the subjects of which are:—

	Marks.
I. General Modern History, 476-1494,	150
II. General Modern History, 1494-1815,	200
III. English and Irish History, 449-1815,	150
IV. Constitutional History,	200
V. Economic and Social History,	150
VI. Essays upon general subjects related to the Course,	150
	<hr/> 1000

On Papers I. to V., passages in French and German may be set to test the candidate's capacity for reading Modern Languages.

I. *General Modern History* (476-1494).—\*Previté Orton: Outlines of Mediæval History. \*Bryce: Holy Roman Empire. Curtis: Roger of Sicily. Philippe de Comines: Mémoires. Lavissee et Rambaud: Histoire générale, vol. i., chaps. 4 and 13; vol. ii., chap. 15; vol. iii., chap. 16. Henderson: Select Documents of the Middle Ages, pp. 169-439.

II. *General Modern History* (1494-1815).—\*Last three volumes of the "Six Ages of European History" (Ed. A. H. Johnson). Gardiner: Thirty Years' War. Johnston: History of the French Revolution. Rose: Napoleonic Studies. Lavissee et Rambaud: Histoire générale, vol. iv., chaps. 10, 11, and 12; vol. v., chap. 1; vol. vi., chap. 4. Cambridge Modern History: vol. vii., chaps. 3 and 4.

III. *English and Irish History* (449-1815).—\*Green: Short History of the English People (latest edition) \*Walpole: Short History of Ireland. \*Oman: England before the Norman Conquest, pp. 186-245. Dunlop: Henry VIII.'s Irish Policy. Innes: Ten Tudor Statesmen. Gardiner: History of England (1603-1642), chaps. 9, 10, 18, 75, 76, 81, and 101. Political History of England (ed. Hunt): vols. vii. and x. Burke: Speeches on America. Cambridge Modern History: vol. vi., chap. 14; vol. ix., chap. 22.

IV. *Constitutional History*.—\*White : Making of the English Constitution. \*Dale : Principles of English Constitutional History. Medley : Original Illustrations of English Constitutional History. Stubbs : Constitutional History of England, vol. ii., chaps. 14, 15, and 16. Hallam : Constitutional History of England ; Middle Ages, chap. 8. May : Constitutional History of England, vol. i., chaps. 1, 2, 5, and 6.

V. *Economic and Social History*.—\*Ashley : Economic Organisation of England. \*Meredith : Economic History of England. Seebohm : English Village Community (chaps. 1–5 inclusive). Unwin : Industrial Organisation. Rand : Selections illustrating Economic History. Cambridge Modern History : vol. x., chaps. 23 and 24 ; vol. xi., chap. i. ; vol. xii., chap. 23.

N.B.—Those books which are marked with an asterisk are especially recommended, the rest may be consulted upon particular points.

11. Candidates for Scholarship in Mental and Moral Philosophy will undergo a written Examination in the following seven subjects :—

1. Logic.
2. Psychology.
3. Modern Pre-Kantian Philosophy.
4. Kant's Critique of Pure Reason.
5. History of Philosophy.
6. The Elements of Ethics.
7. A special work :—

For 1921, Bergson, *L'Evolution Créatrice*.

On the morning of the fourth day of the Examination the Candidates will be examined *vivâ voce*. 100 marks will be allotted to each paper, and 100 marks to the *vivâ voce*.

Course of Reading recommended :—

James : Text-book of Psychology.

R. A. P. Rogers : Short History of Ethics.

And the Books recommended for the Freshmen and Junior Sophister years of the Honor Courses in Mental and Moral Philosophy.



## Studentships and Prizes awarded at the Degree and Final Freshman Examination.

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### STUDENTSIPS AND RESEARCH SCHOLARSHIPS.

By the Royal Statute of 22nd Victoria, fourteen Studentships were founded in Trinity College, open to Candidates of all religious denominations, with a salary to be fixed by the Provost and Senior Fellows, not exceeding £100 per annum for each. By this Statute if any person holding a Studentship shall be elected a Fellow, his Studentship shall thereupon become vacant.

By the Royal Letters Patent of May 20, 1889, these Studentships were made tenable for a period not exceeding five years, and the number was reduced to ten.

By the Ordinance of May 24, 1920, it was enacted that the tenure of Students appointed after 1923 shall be for one year only, and the number of Studentships shall be reduced from ten to two.

In addition, the Board were empowered to award Research Scholarships to graduates desirous of devoting themselves to literary or scientific study; these Scholarships to be payable quarterly, on favourable reports received from the academic authorities under whose supervision the scholars are working. No such Scholarship is to be held by a graduate of more than five years' standing.

The following regulations have been made by the Board, under the authority of the foregoing Statutes, with respect to the election of Students:—

I. Two Students shall be elected annually if sufficient merit is shown, one from the Senior Moderators in Mathematics and one from the Senior Moderators in Classics.

By the Royal Letters Patent of May 20, 1889, the Provost and Senior Fellows were empowered either to decline to elect to a Studentship, or to award a Studentship of reduced value, in case of insufficient merit: and also to divide the emoluments of a Studentship in cases of equality or closeness of answering between the Candidates.

II. A member of the Board shall preside at each Moderatorship Examination.

III. The results of the Moderatorship Examinations shall be the basis upon which the Board will elect to Studentships, according to the following regulations:—

1. In addition to the primary Courses, Mathematics or Classics, the Board will take into account the answering of the Candidates in one other Moderatorship Course.

2. Students taking the Mathematical Moderatorship as a primary Course may take up Classics as a secondary Course, and *vice versa*.

3. The weight to be assigned to the Primary and Secondary Courses respectively shall be in the proportion of 3 to 2.

4. A minimum shall be fixed for each Course, and the merit of each Candidate shall be measured by the excess of his answering above that minimum. The minimum in each Course shall be one-fourth of the total weight of the Course.

IV. The Examiners in each Course shall make a full report to the Board of the answering of the Candidates, and each Elector shall vote for the two Candidates whose answering, on the whole, shall appear to him the most distinguished; provided there be no objection to such Candidate on the score of moral character or conduct.

V. No person who shall drop more than one class will be permitted to be a Candidate for Studentship.

VI. No person will be permitted to be a Candidate for Studentship who shall have dropped a class after the Michaelmas Examination of his Junior Sophister year.

VII. No change in the mode of electing to Studentships shall be made, unless after a year's previous notice.

VIII. In case any person holding a Studentship shall be elected to a Fellowship of any College in Oxford or Cambridge University his Studentship shall thereupon become vacant.

IX. University Students are required to lecture in the College one hour a day during Term, unless specially exempted by the Board.

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### MODERATORSHIP PRIZES.

In addition to the two Studentships which shall be annually filled up, Prizes will be awarded to deserving answerers at the Degree Examination, at the discretion of the Provost and Senior Fellows, in accordance with regulations of the Queen's Letter of the 20th May, 1889.

On December 16th, 1911, the Board resolved:—

That it is desirable in the allocation of the fund annually disposable on the result of the Degree Examination, that such should not be necessarily given to every Gold Medallist, but may, at the discretion of the Board in each year, be given in larger prizes to those students who appear to be specially deserving of assistance for purposes of research or otherwise.

The sum thus awarded in 1919 amounted to £210.

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### THE KING EDWARD PRIZE.

On October 17th, 1903, it was resolved by the Board, that in commemoration of the King's visit to Trinity College in July, 1903, a Prize be instituted of the value of £10, to be given each

year to that Respondent whose answering shall have been the best amongst those Respondents who shall have answered in the whole Course required at the Degree Examination from students not having any special privilege. Subject to the permission of His Majesty, the Prize to be called "The King Edward Prize."

The approval of His Majesty was conveyed to the Board on January 16th, 1904.

On January 27th, 1910, it was resolved by the Board, that in future the King Edward Prize shall be awarded only at the Michaelmas Examination for B.A. Degree held in December; and on January 14th, 1911, that Candidates must satisfy the conditions V and VI, above, for Studentships.

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### BROOKE PRIZES.

ON the 11th October, 1879, it was resolved by the Board, with the assent of the Misses Brooke:—

That two Prizes, equal in amount, and representing the interest of the sum of £2000 presented by the Misses Brooke, be constituted, to be given annually to the Candidates for Moderatorship who rank next in order, severally, to the Moderators who are appointed Students for Mathematics and for Classics, the Prizes to be called the Brooke Prizes.

The Fund yields annually about £68; the Prizes are payable half-yearly in February and October, by the Bursar.

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### JELLETT PRIZES FOR GENERAL ANSWERING.

THE Rev. John Hewitt Jellett, D.D., late Provost of Trinity College, awarded Prizes for General Answering from 1884 to 1887. In the year 1889 the Rev. George Salmon, D.D., Provost of Trinity College, provided a fund for the payment of these Prizes. The Prizes are awarded under the following Regulations:—

Two Prizes for General Answering are given at the Final Freshman Examination held at the end of the Trinity Term of the Senior Freshman year. No Student is eligible for either of these Prizes who shall be elected to a Senior Exhibition, or who is excluded by the College Rules from competing for a Senior Exhibition. Subject to these exceptions, the Prizes are awarded to the two Students respectively who obtain the highest aggregate of marks at the above-mentioned Examination, provided that this aggregate be not less than 65 per cent. of the total amount of marks obtainable. The Fund produces annually about £8. This is usually divided between the two best answerers in the ratio of 5 to 3, but, in case of equality of merit, the Board may, if they think fit, award a Prize of £4 to each of the two Students.



## Special Prizes.

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*In the case of all Prizes, the Board reserve the power of diminishing the amount of the Prize, or withholding it altogether, if insufficient merit has been shown by the Candidates, and, in the case of Prizes which are payable out of Special Trust Funds, the amount will further depend on the dividends in hand.*

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### MADDEN PRIZE

AND

#### PREMIUMS AT THE EXAMINATIONS FOR FELLOWSHIPS.

THE Board, at every Fellowship Examination, grant Premiums to such Candidates as appear to them to deserve encouragement, and in such proportions as they consider merited by the answering.

In the year 1798, Madden's Prizes were first granted according to the conditions specified in the following extract from the codicil to the will of Samuel Molyneux Madden, Esq., dated August 7th, 1782:—

“Whereas I, Samuel Molyneux Madden, have, in the body of my last will and testament, bequeathed all my estate and property, situated in the Corporation of Belturbet, immediately after the demises therein mentioned, to be employed in promoting virtue and learning in Trinity College, in the County of Dublin, subject to such regulations as I shall exposit and declare in any codicil to my said will. In pursuance of that my design, I do hereby constitute and appoint the three persons immediately hereafter named to be Trustees for the carrying into execution that design, That is to say : The Right Honourable James Lord Viscount Lifford, Lord Chancellor of Ireland, the Most Rev. and Right Honourable Richard Robinson, Primate of all Ireland, and the Right Rev. Richard Woodward, Lord Bishop of Cloyne, humbly entreating those very worthy and highly respected persons to vouchsafe their protection and favour to a design so suited to their own excellent dispositions. I do further declare it to be my humble request and desire, that the Vice-Chancellor of Trinity College, for the time being, be one of the Trustees and Governors of the fund to be raised for the design and purpose aforesaid, and that the Lord Primate, for the time being, be also one of the Trustees and Governors of said fund, and to carry into execution my intent and design, as hereinafter mentioned. My will, intent, and request therefore is, that at every Examination for Fellowships in Trinity College, the whole produce of the said fund, during the preceding year, be given, in one undivided sum, into the hand of that disappointed candidate for the Fellowships whom the majority of his Examiners



shall, by certificate in writing under their hand, declare to have best deserved to succeed, if another Fellowship had been vacant. Provided always, that no premium thus provided be given to any disappointed candidate, in any year wherein there shall not be at least two disappointed candidates at the Examination, and also, provided always, that the Provost and Senior Fellows of the College do not diminish the premiums which through their zeal to encourage learning they generously bestow on the disappointed candidates for Fellowships at each Examination. And whereas there are some years wherein there are not any Examinations for Fellowships held, no vacancy having happened in the College, I do hereby desire that the revenue of my estate and fund, in every such year, be laid out in Government securities by my said Trustees, and the interest of such Government securities be added to the succeeding produce of the united fund aforesaid, and thus the premium be increased which shall be given to disappointed candidates in the succeeding years, and I do desire that this premium or bounty be confined to one only disappointed candidate for Fellowship, until the annual revenue of the fund arise to four hundred pounds, after which period the Trustees aforesaid may appropriate the further increase of the fund towards the constituting a bounty for a second disappointed candidate, or rather for a premium for the best Oration or Essay in Latin on such subject as the College shall annually choose, as such encouragement is greatly wanted. And further, in aid to the said intended fund, as the present revenue of the Estate in the Corporation of Belturbet is but £86 rent, I do hereby bequeath to the three Trustees aforementioned all my personal estate of what nature soever, after the death of my most dearly beloved wife, to be by them converted into money, and to be laid out in Government Debentures, and applied to the great end of encouraging virtue and learning in the College, where the youth of the nation are educated, and where most essential service may be expected from their care and patronage, and therefore I do hereby appoint the aforesaid Trustees my Residuary Legatees."

Until the year 1894, the property devised under this will was vested in and managed by individual trustees. By a decree of the Master of the Rolls, dated the 28th day of April, 1894, the Provost, Fellows, and Scholars were appointed trustees of the trust property; and, by Letters Patent, the Board of Trinity College were empowered to hold the lands devised by the will of Mr. Madden. All the trust property is now vested in and managed by the Board of Trinity College. It produces annually about £285, which is paid by the Bursar to the first disappointed candidate after the Fellowship Examination.

## PRIZES IN SUBJECTS CONNECTED WITH THE STUDY OF DIVINITY.

[See also under Divinity School.]

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### WALL BIBLICAL SCHOLARSHIPS.

IN Michaelmas Term, 1858, the Rev. Charles William Wall, D.D., Vice-Provost, gave to the Provost and Senior Fellows the sum of £2000, for the purpose of founding Biblical Scholarships, in accordance with certain conditions submitted by him to the Board, and approved. Five Scholarships were accordingly founded (to be called "The Wall Biblical Scholarships"), tenable each for five years from the date of election, with a salary of £20 a year, one to be elected annually according to such regulations as the Provost and Senior Fellows shall from time to time enact, in conformity with the wishes of the Founder, as recorded in the Register of the College.

The following is the Course for Examination for the year 1921 :—

Samuel, Book I (Hebrew and LXX). Driver's edition, with introduction, should be used.

Daniel, Ch. II, v. 4, to VII. Ezra, Ch. IV, v. 8, to VI, v. 19, VII, vv. 12-27, in Chaldee (Aramaic) and Syriac.

W. Wright's "Lectures on the Comparative Grammar of the Semitic Languages."

S. R. Driver's "Treatise on the use of the Tenses in Hebrew."

Franz Buhl's "Canon and Text of the Old Testament."

T. H. Weir's "Short History of the Hebrew Text of the O.T."

The following Articles in Hastings' Dictionary of the Bible :—  
1. The Septuagint. 2. Syriac Versions. 3. Targums. 4. Language of the Old Testament. 5. Writing.

R. Duval's "La Littérature Syriaque" (Lecoffre).

T. K. Abbott's "Essays on the Text of the Old Testament."

Chwolson on the Quiescentes (Hodges & Figgis).

The Founder's Essay, "Proofs of the Interpolation of the Vowel-Letters in the Text of the Hebrew Bible."

An easy passage in Syriac (unseen) will be set for translation, and a passage in English for translation into Hebrew.

The Examination for the present year will be held in Trinity Term, on days arranged at the end of the preceding Hilary Term, after due notice has been received. The names of Candidates must be on the College Books, and their standing, reckoned from Entrance, must be below that of M. A.

Candidates are requested to communicate their names and Collegiate standing to the Professor of Hebrew on or before the first day of Trinity Term.

The Scholarships are paid quarterly by the Bursar.

## THE ELRINGTON THEOLOGICAL PRIZE.

At a general meeting of the Clergy and Laity, assembled in Dublin on the 4th day of March, 1837, to consider the best mode of commemorating the virtues, the learning, and the wisdom of the late Right Rev. Thomas Elrington, D. D., Lord Bishop of Leighlin and Ferns, and formerly Provost of Trinity College, Dublin, the following Resolutions were passed:—

“RESOLVED,—That, in the opinion of this Meeting, the conduct of the late highly-respected Bishop of Ferns was uniformly distinguished by an earnest desire and endeavour to do substantial good, without needless display or ostentation; especially by implanting and strengthening in the minds of all with whom he was at any time connected, whether those of future candidates for the ministry, or those of actual Ministers of the Church, or those of the members of the Church in general, a well-founded belief in the truth and doctrines of our Holy Religion, and a steady attachment to its primitive institutions, according to the form of Christianity established in the United Church of England and Ireland.

“That such a monument appears to us most appropriate to his character, and best calculated to do becoming honour to his memory, as shall be formed upon the principle of carrying forward those solid religious benefits which he was indefatigable in promoting during his life; a mode of testifying respect to which this Meeting is more inclined, by a consideration of the excellent personal representation of the late Prelate which already adorns the College Library.

“That, for the foregoing purpose, it is adjudged desirable to institute an annual Prize for one or more of the best Theological Essays, composed by Bachelors of Arts of Trinity College, Dublin, of not more than three years' standing.

“That the subject of the Essays be such as may direct the minds of the competitors to those topics in particular which were either discussed in the published works of the late Bishop, or were prominent objects of his solicitude; for example, the Evidence of our Holy Religion—the Constitution of the Christian Church—the Scriptural Character of the Doctrines, and the Apostolical Polity of our own Church—the necessity and validity of her Orders—and the just Claims and the solemn Engagement of her Ministers.

“That this Prize be denominated THE ELRINGTON THEOLOGICAL PRIZE; that the subjects be proposed, and the Prize awarded, by the Lord Bishop of Ferns, the Provost of Trinity College, and the Regius Professor of Divinity, all for the time being, in such way as they shall arrange among themselves; that the Essay or Essays be publicly read in the College Hall, at such time as the Provost shall appoint; and that the Prize consist of a selection of standard Theological works, of which the publications of the late Bishop, if attainable, as we trust they will be rendered by the filial piety of the present Regius Professor of Divinity, shall at all times form a part. This Prize cannot be obtained more than once by the same candidate.”

The Essays, clearly and legibly written, with fictitious signatures, are to be given to the Provost, or to the Regius Professor, on or before the 1st day of November in each year.

The foregoing Resolution has been altered so as to admit Graduates of the University of not more than *eight* years' standing (reckoned from the date of their B.A. Degree) to compete for the Prize. The subject will henceforth be announced two years before the date at which the Essays are to be sent in; and the value of the Prize will be £50.

*Subject for 1920.*—Symbolism, Hebrew and Jewish.

*Subject for 1921.*—Punishment, Divine and Human.

*Subject for 1922.*—St. Paul's use of the Old Testament.

### PRIZES IN BIBLICAL GREEK.

THESE Prizes were founded by the Board in the year 1840. A sum of £15 is placed at the disposal of the Professor of Biblical Greek, to be given in Prizes to the best answerers at an Annual Examination, which is held in Trinity Term, on a day arranged at the end of the preceding Hilary Term, after due notice has been received.

Candidates for Prizes at this Examination must be at least of Junior Sophister standing.

*Course for 1921.*—Exodus.

The Pauline Epistles.

Swete: Introduction to the Old Testament in Greek, chaps. 1 to 3.

The Lectures of the Professor.

### ECCLESIASTICAL HISTORY PRIZES.

THESE Prizes were founded by the Board in the year 1851. They consist of two Premiums, one of £10, the other of £5, given at an Annual Examination, held by the Professor of Ecclesiastical History. The Examination is held in Trinity Term, and is open to such Students as shall have attended the Professor's Lectures during two Terms of the actual year in which they present themselves as Candidates.

*Course for 1921.*

Robertson's *History of the Christian Church*, A.D. 64–590.

Eusebius' *Ecclesiastical History*.

The Professor's *Lectures*.

For the regulations concerning the "Robert King Memorial Prize in Ecclesiastical History," see under Divinity School.



## PRIZES IN MATHEMATICS.

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### THE LLOYD EXHIBITIONS.

AT a Meeting of the Subscribers to the Lloyd Exhibition Fund, held in Trinity College, on Saturday, the 16th of November, 1839, the Rev. J. H. Singer, D. D., in the Chair, it was agreed:—

I. That a sum of money having been subscribed for the foundation of Exhibitions in the University, to commemorate the talents and virtues of the late Provost Lloyd, by the promotion of learning in the Institution to whose interest his life was devoted, the aforesaid sum shall be lodged in the hands of the Provost, the Professor of Natural Philosophy, and the Professor of Mathematics, for the time being, in Trust for the purposes declared in these resolutions.

II. That the interest of the aforesaid sum, and of such other sums as may at any time be added to it, shall be applied to the foundation of two Exhibitions, to be held for two years only.

III. That the appointment to these Exhibitions shall be made by a public Examination, under the following regulations:—

1. The Examinations shall be held in Michaelmas Term, annually, after the Michaelmas Term Examinations, and shall be open to such Students only as shall then be in the *rising* Senior Sophister Class.

2. No Student shall be admissible as a Candidate a second time.

3. The Exhibition shall be tenable only so long as the Student to whom it is awarded shall have his name on the College Books.

4. The Examiners shall be the Professors of Astronomy, Natural Philosophy, and Mathematics, and the Assistants to the Professor of Mathematics; or any three of them, as they shall agree among themselves.

5. The subject of Examination shall be a course of Mathematics and Physics, to be determined by the Examiners, subject to the approval of the Board.

These regulations have been modified by the following Resolutions of the Board of November 22nd, 1913:—

1. That in future the Course for the Lloyd Exhibition shall be the Honor Course in Mathematics up to and including the Course for the Michaelmas Junior Sophister Prize Examination.

2. That the Junior Sophister Michaelmas Prize Examination be merged in the Examination for Lloyd Exhibition, and that the present Examiners for Lloyd Exhibition examine at the same time for Junior Sophister Mathematical Prizes and for Lloyd Exhibition.

IV. Any Exhibition which may fall vacant before the natural period of its expiration shall not be filled up, but its amount shall be added to the principal, for the augmentation of the fund; and the same rule shall be followed in case it should at any time happen that no Candidate of sufficient merit shall present himself.

The fund produces annually about £29. The Exhibitions are payable half-yearly by the Bursar in February and October.

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#### BISHOP LAW'S MATHEMATICAL PRIZES.

IN the year 1796, the sum of £735 was given to the College by John Law, Bishop of Elphin, on condition that it should be applied to the purpose of encouraging the study of Mathematics, according to a scheme which was subsequently slightly modified so that it now is as follows:—

1. The sum of £20 to be given to that Junior Bachelor who shall pass the best Examination in Algebra, the application of Algebra to Geometry, and Spherical Trigonometry; and £10 to that Junior Bachelor who shall appear to be the second best proficient in the same subjects.

2. The Examination to be held on two days in Michaelmas Term, which will be arranged at the end of the preceding Trinity Term, after due notice has been received.

3. The Examiners of the Candidates for the Premiums to be the Professors of Mathematics, Natural Philosophy, and Astronomy.

4. The sum of £10 to be given, in turn, to each Professor, in order that he may entertain the other two Examiners at dinner, on the day that the Premiums are adjudged: the rotation to begin with the senior.

## THE M'CULLAGH PRIZE.

IN November, 1854, it was resolved by the Subscribers to the M'Cullagh Prize Fund:—

1. That an Annual Prize of £30 be founded, to be called the M'Cullagh Prize.

2. That the competition for this Prize be open to all persons not being Fellows of Trinity College, or Professors in the University of Dublin, whose names shall be on the books of the said College, on the day appointed for the adjudication of the Prize, and for at least three days previously.

3. That this Prize shall, subject to the restriction in No. 7, be awarded to the best answerer at an Examination, to be held on a day fixed by the Examiners, and of which due notice shall be given.

4. That the subject of this Examination shall be a Course of Mathematics and Physics, or of either of these, to be fixed from time to time by the Examiners, as stated in No. 6.

5. That the Examiners for this Prize shall be the Professor of Astronomy, the Professors of Natural Philosophy, the Professor of Mathematics, the Donegal Lecturer, and the Assistant to the Professor of Natural Philosophy, or any three of them.

6. That the subject of each Examination shall be determined by the aforesaid six Examiners, or the majority of them, and publicly announced, at least one year previously to the day appointed for the Examination.

7. That if at any Examination the Examiners shall be of opinion that sufficient merit has not been shown by any of the Candidates, it shall in such case be competent for the said Examiners to withhold the Prize for that year; and that the sum or sums thus accruing shall form a surplus fund, from which Prizes may be adjudged to such disappointed Candidates for the M'Cullagh Prize as the Examiners may consider to be worthy of such encouragement.

8. That no person who has once obtained the M'Cullagh Prize shall be admitted as a Candidate a second time.

In 1875, a change was made in the investment of the Fund, which rendered the sum available in each year for Prizes £40. If, therefore, sufficient merit be shown, it is open to the Examiners to award in each year an additional Prize or Prizes.

The Examination is held in Hilary Term.

*Subject for 1921.*—Hydrodynamics.

## THE MICHAEL ROBERTS PRIZE.

ON the 13th June, 1883, the sum of £200 was received from Mrs. Michael Roberts, to found a Prize in Mathematics, to be called the "Michael Roberts Prize."

The Michael Roberts Prize is awarded to the Student who, having passed the Final Freshman Examination, shall be judged by the Board to have answered best at the Mathematical Honor Examination of the Senior Freshmen in the Michaelmas Term.

The sum invested yields annually about £6.

### THE TOWNSEND MEMORIAL PRIZE.

ON the 19th December, 1885, a scheme, recommended by a final meeting of the Subscribers of a Fund in memory of the late Rev. Richard Townsend, was laid before the Provost and Senior Fellows, and adopted by them. It provided :—

1. That the balance of the Fund subscribed, after paying the cost of the Portrait in the Common Room, be invested in approved Trustee securities in the names of the Bursar of Trinity College, Rev. George Salmon, D.D., Benjamin Williamson, M.A., and George L. Cathcart, M.A., as Trustees for the purposes of the Fund.

2. That an Annual Prize, payable out of the interest of the Fund, and depending on its amount, be founded in the University of Dublin, to be called "The Townsend Memorial Prize."

It then prescribed rules under which the prize was to be given to the best answerer at an annual examination, if sufficient merit were shown. Under these rules the prize was paid in 1886, in part, and once only in full, in 1889. The Board, therefore, in 1891, on the recommendation of a meeting of Mathematical Examiners, altered the rules for its adjudication to the following :—

In 1893, and subsequent years, the Townsend Memorial Prize will be awarded to the Junior Freshman who shall obtain the highest aggregate of marks in Mathematics at the Michaelmas Prize Examination, and either the Hilary or the Trinity Honor Examinations.

If in any year sufficient merit be not shown, it shall be in the power of the Trustees, on the recommendation of the Examiners, to withhold the Prize, and to add the surplus thus accruing to the Principal Fund.

The value of the Prize is about £20.

### CHARLES WILKINS MEMORIAL PRIZE.

A sum of £190 having been subscribed in 1879 by the fellow-students and friends of the late Charles James Wilkins to found a Prize as a Memorial of him, the Board of Trinity College, in consideration of receiving that amount, have liberally consented to grant annually a sum of Ten Pounds, which will be given as the "Charles Wilkins Memorial Prize" to the woman who answers best in the Mathematical part of the Examination for Junior and School Exhibitions, and at a Special Examination to be held in October.

The following is the Course for the Special Examination :—

Trigonometry, to the end of Solution of Plane Triangles.

Taylor's Geometry of Conics, Part I., Chaps. 1 to 4 (both inclusive).

Salmon's "Conic Sections," the Right Line and Circle (omitting methods of abridged notation).



## PRIZES IN CLASSICS.

## BISHOP BERKELEY'S GOLD MEDALS.

IN the year 1752, May 8, the Provost and Senior Fellows agreed to give annually, for ever, two Gold Medals for the encouragement of Bachelors of Arts in the study of the Greek Language; having received a benefaction of one hundred and twenty guineas, besides a die, from the Right Rev. Dr. George Berkeley, Lord Bishop of Cloyne, and late Fellow of Trinity College, for that purpose.

These Medals were formerly given to such Middle Bachelors as had attended the Lectures of the Regius Professor of Greek, with remarkable diligence, for two Academic years, commencing with the Term in which they had graduated in Arts.

Subsequently, by a Resolution of the Board of June 11, 1846, these Medals were put under the following regulations, which did not, however, come into operation until 1848:—

1. That the two Berkeley Medals, equal in value and honor, be henceforth given at an Examination in the Greek Language and Literature, to be held annually, in Michaelmas Term, before the 20th of November.

2. All Students who have been admitted to the Degree of Bachelor of Arts may become candidates for the Berkeley Medals; such candidates are required to attend at least three-fourths of the Lectures given by the Professor of Greek in each Term.

Finally, by a Resolution of the Board, dated November 15, 1856, these Medals were put under the following regulations:—

1. The two Berkeley Medals, with a distinction in honour of first and second, shall henceforth be given to the best answerers at an Examination in the Greek Language and Literature, to be held annually in Hilary Term.

2. All Students, whether Graduates or Undergraduates, under M.A. standing, may become candidates for the Berkeley Medals.

3. No Student shall be allowed to be a candidate more than *three* times, nor to obtain the Medal more than once.

4. The books and subjects of the Examination are to be announced annually by the Regius Professor of Greek, in the University Calendar, subject to the approval of the Board.

5. The Examination shall be conducted by the Regius Professor of Greek, the Professor of Latin, and one Examiner nominated by the Board.

6. The candidates will be examined in Composition, in the manner of the author or authors who shall form on each occasion the subject of the Examination.

*Subject for 1921.*—Bucolici Græci (Oxford Text).

*Subject for 1922.*—Pindar.

## VICE-CHANCELLOR'S LATIN MEDALS.

ON the 30th of January, 1869, it was resolved by the Provost and Senior Fellows to establish an annual Examination in Latin, similar to that held for the Berkeley Medals in Greek, and subject to the same Regulations. Two Gold Medals, called "The Vice-Chancellor's Latin Medals," are given to the successful Candidates.

The Examination is held annually in Michaelmas Term, on a day fixed at the end of the preceding Trinity Term, after due notice has been received.

*Subject for 1920.*—Cicero, Epistulae ad Familiares.

*Subject for 1921.*—Sallust and the Historiae, Germania, and Agricola of Tacitus.

## VICE-CHANCELLOR'S PRIZES.

IN the year 1857 Resolutions, approved of by the Vice-Chancellor, were adopted by the Board, with reference to the Vice-Chancellor's Prizes, and were modified in 1906, so that they now are as follows:—

RESOLVED,—That for the existing Regulations respecting Vice-Chancellor's Prizes, the following Rules be substituted:—

That Vice-Chancellor's Prizes for Composition be offered in each year, viz., for the best Compositions on proposed subjects, in English Prose, English Verse, Greek or Latin Prose, and Greek or Latin Verse.

That the highest amount of any Prize be Twenty Pounds.

That Prizes of less amount, and more than one in each kind of Composition, may be awarded on the recommendation of the Examiners.

That these Prizes be open to all Students under the standing of M.A., having their names on the College Books.

That the Prizes in each of the above departments be not awarded to any Student oftener than twice in succession, or than three times during his College Course.

That the subjects for the above Compositions be announced, on or before the 1st of June, in each year; that the Compositions, with fictitious signatures, be sent in to the Senior Lecturer, on or before the 1st of December; and that the Prizes be declared on the 1st of January following.

That the Examiners be the Regius Professor of Greek, the Professor of Latin, and the Professor of English Literature.

*Subjects for the Prizes to be awarded in January, 1921.*

Greek or Latin Prose—"The position of women in Greek and Roman Society."

Greek or Latin Verse—"Delphi."

The Subjects in English Prose and Verse will be found under the head "Prizes in English."

## THE FERRAR MEMORIAL PRIZE.

At a meeting of the subscribers to the Ferrar Memorial Fund, held in Trinity College, on Wednesday, the 11th of November, 1874, the Rev. George Salmon, D. D., Regius Professor of Divinity, in the Chair, it was resolved :—

1. That the entire Fund subscribed be invested in Bank of Ireland Stock, in the names of the Provost of Trinity College, the Rev. George Salmon, D. D., and William Ewart, Esq., J. P., as trustees for the purposes of the Fund.
2. That an annual Prize, payable out of the interest of the Fund, and depending on its amount, be founded in the University of Dublin, to be called "The Ferrar Memorial Prize."
3. That the Prize be awarded, subject to the restriction of sufficient absolute merit, to the best answerer at an Examination to be held in Trinity College, on a day or days of which due notice shall be given.
4. That the subject of Examination for the Prize be a course of Comparative Philology, to be fixed from time to time by the Board of Trinity College, and duly announced in the University Calendar for each year.
5. That the competition for the Prize be open to all under the standing of M.A.—not Fellows of the College, or Professors of the University—whose names shall be on the books of Trinity College during the day or days of Examination.
6. That successful competition for the Prize in any year shall preclude the successful candidate from competition for it again in any subsequent year.

The Fund invested produces annually about £22; but as the Examiners' Fees are paid out of the Fund, the annual value of the Prize is about £15.

The Examination for the Prize is held in Trinity Term. The Course for the Examination is—

Giles' Manual of Comparative Philology.

Wright's Gothic Grammar, or, the following works in Sanskrit :—  
MacDonnell's Sanskrit Grammar for Beginners, and First Five Cantos of the Nala.

## THE TYRRELL MEMORIAL PRIZE.

At a meeting of the subscribers to a fund for establishing a Memorial in memory of the late W. G. Tyrrell, held on the 20th October, 1877, certain resolutions were unanimously agreed to, were

sanctioned by the Board on December 1, 1877, and slightly modified on December 8, 1900, so that they now are as follows:—

1. That the Prize be a Biennial Gold Medal, to be awarded for the best Translations of passages into the four kinds of Classical Composition.
  2. That the passages for the Compositions be announced in November each alternate year; the Compositions, with fictitious signatures, to be sent to the Senior Lecturer on or before the 1st of February following.
  3. That the Competition be open to all Students under the standing of M. A., having their name on the College Books.
  4. That the Examiners be the Regius Professor of Greek and the Professor of Latin.
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### THE WILLIAM ROBERTS PRIZE.

ON the 13th December, 1884, the sum of £200 was received from Mrs. William Roberts, to found a Prize in Classics, to be called the "William Roberts Prize." This Prize is awarded to the Student who, having passed the Final Freshman Examination, obtains the highest marks at the Classical Honor Examination of the Senior Freshmen in the Michaelmas Term. The Fund yields annually about £6.

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### MULLINS CLASSICAL EXHIBITION.

THE late Inspector-General Mullins having bequeathed to the College a sum of £600, for the "foundation of an Exhibition, to be called the Mullins Classical Exhibition, in such Greek and Latin authors, and under such regulations as the Provost and Senior Fellows may from time to time determine," the Board adopted the following Resolutions in the years 1898 and 1905:—

"The Exhibition shall be tenable for three years, and the Examination shall be held every third year, in Michaelmas Term.

"The course shall consist of works of Greek or Latin authors not included in the General University Curriculum. The authors to be studied for each Examination shall be prescribed by the Board.

"Besides answering in the prescribed course, candidates shall be required to write an original Dissertation, bearing on some part of the subject-matter of that course, or treating questions connected therewith."

The competition is confined to students having their names on the College Books and Graduates under M.A. standing.

The Fund yields annually about £17.



## THE MARSHALL PORTER MEMORIAL PRIZE.

IN November, 1900, £500 Great Northern Railway 4 per cent. Debenture Stock was presented by the Right Hon. A. M. Porter, Master of the Rolls in Ireland, and Mrs. Porter, for the purpose of founding a prize in memory of their son, Andrew Marshall Porter, B.A., elected Scholar of the House in 1895, and University Student in 1897, who died on the 5th June, of wounds received in action, on the 31st May, 1900, at Lindley, in South Africa, where he was serving as a volunteer.

The following conditions were suggested by the Donors, and agreed to by the Board, November 3, 1900 :—

1. The income derived from the investment shall be awarded each year as a prize to the candidate for Classical Scholarship who, having failed to obtain a Scholarship, shall have obtained the highest marks of any unsuccessful candidate, subject always to the same conditions as to conduct as apply to the election of Scholars.

2. In case of equality of marks amongst two or more eligible candidates, preference shall be given to him who shall have obtained the higher marks in Classical Composition. If the eligible candidates shall be equal in Classical Composition, the prize shall be divided.

3. The Board shall have power to withhold the prize in case the Examiners certify that no candidate is of adequate merit. In such case the interest on the fund for the year shall be added to the capital.

The Prize is payable in October by the Bursar.

## PRIZE IN MENTAL AND MORAL PHILOSOPHY.

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### THE WRAY PRIZE.

A SUM of £500 was given in 1848, by Mrs. Catherine Wray, widow of the late Rev. Henry Wray, D. D., Vice-Provost and Senior Fellow of Trinity College, to found a Prize for the encouragement of Metaphysical Studies among the Undergraduates of the University of Dublin.

Students in the Senior Sophister Class are alone admissible as Candidates. The Examination is held in Hilary Term, on a day arranged at the end of the preceding Michaelmas Term, after due notice has been received. The Course for Examination is as follows:—

1. The General History of Philosophy.

2. The following works:—

Descartes' *Meditations*.

Spinoza's *Ethics*, Books i and ii.

Hume's *Enquiry Concerning Human Understanding*.

Kant's *Kritik of the Pure Reason*.

Rogers' *Short History of Ethics*.

3. A special work to be chosen by the Honor Examiners and the Professor of Moral Philosophy, and submitted to the Council not later than May 25th in the year preceding the Examination.

Special work for 1921:—Driesch, "The Science and Philosophy of the Organism," Section B (Gifford Lectures, 1908).

The value of the Prize is about £28.

## PRIZES IN EXPERIMENTAL SCIENCE.

## EKENHEAD SCHOLARSHIP.

A SCHOLARSHIP, called "THE EKENHEAD SCHOLARSHIP," tenable for three years, was founded in 1879 by Mrs. Mary Dummett, in memory of her brother, Thomas Ekenhead, Esq.

This Scholarship, which is open only to natives of the county of Antrim, will be awarded to the best answerer (provided that sufficient merit be shown) at an Examination in Elementary Physics and Chemistry, to be held in the Trinity Term of every third year. Candidates must have their names on the College Books, and must not have passed the Examination (Moderatorship or General) for the Degree of A.B. An Examination will be held in Trinity Term, 1923, the appointed subjects of Examination being as follows:—

## ELEMENTARY COURSE IN PHYSICS.

*Density and Heat.*

- Comparison of weights (balance).
- Measurement of pressure (barometer, manometer, Mariott's tube).
- Measurement of surface tensions of liquids (capillarity).
- Diffusion of liquids and gases (dialysis, viscosity).
- Measurement of densities (specific gravity balance, specific gravity bottle, hydrometers).
- Thermometry (mercurial thermometers, Fahrenheit and Centigrade scales).
- Expansion of solids, liquids, and gases (Roy and Ramsden's, Dulong and Petit's, and Regnault's experiments, compensating pendulums, maximum density of water, air thermometers).
- Measurement of densities of gases and vapours (Regnault's and Guy Lussac's methods).
- Measurement of specific heats (method of mixtures, Dulong and Petit's law).
- Changes of state (liquefaction, evaporation, and boiling).
- Measurement of tension of saturated vapours (Regnault's experiments).
- Measurement of latent heat (ice calorimeters, Carré's freezing machine).
- Measurement of heat of combustion.
- Determination of mechanical equivalent of heat (Joule's experiments).
- Work done by a body expanding (indicator diagram, steam-engine).

*Electricity.*

- Production of electric currents by chemical action (Wollaston's, Daniell's and Grove's cells).
- Measurement of intensity of current (tangent galvanometer).
- Laws of electrolysis (Faraday's experiments, voltameters, electrotyping).

*Optics.*

- Laws of Reflexion and Refraction, experimentally considered; Prisms Spectroscope; Lenses.

*Chemistry.*

Candidates are expected to give evidence of experimental knowledge in the following subjects:—

Modes of distinguishing physical and chemical change; Proofs of laws of constant composition; Definite and multiple proportions; Determination of equivalent and atomic weights; Distinctions of metals and non-metals; Characters and modes of preparation of chief non-metals, and of their acid and non-acid products; Composition of air, water, and coal-gas; The processes of combustion and of respiration in animals and plants; Detection of common acids and metals; Preparation and properties of the metals and their chief compounds; Spectra of the principal metals.

Candidates are also expected to perform simple chemical calculations

The Ekenhead Scholarship is tenable for three years. The Fund produces annually about £32, and is payable half-yearly in February and October.

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**FITZGERALD MEMORIAL SCHOLARSHIP AND MEDAL.**

ON the death of George Francis FitzGerald, F.T.C.D., F.R.S., in the year 1901, a Committee was formed for the purpose of founding a FitzGerald Memorial, to take the form of a Scholarship for the encouragement of Research in Experimental Physics by Students of Trinity College. A sum amounting to over £1600 was collected, and was disposed of as indicated by the following resolutions, suggested by the Committee, and approved of by the Board on June 28, 1902:—

1. That the Fund be lodged in the names of the Provost of Trinity College, the Bursar, and the Erasmus Smith Professor of Experimental Philosophy; and that the management of the Fund be in the hands of the following Trustees, viz.: the Provost, the Bursar, Erasmus Smith's Professor of Experimental Philosophy, Prof. D. J. Cunningham, and Prof. John Joly.

2. That the Fund be in the first place applied to the foundation of a Scholarship for the encouragement of research in Physical Science by Students of Trinity College, Dublin, who have obtained the B.A. Degree of the University of Dublin, and who during the term of Scholarship are to carry out research in the Physical Laboratory of Trinity College, under the direction of the Erasmus Smith Professor of Experimental Philosophy, and to take part in the practical instruction of Students in the Physical Laboratory.



3. That this Scholarship be known as the "FitzGerald Memorial Scholarship."

4. That the FitzGerald Memorial Scholarship be awarded annually on sufficient merit being shown by the candidate in his experimental work done in the Physical Laboratory of Trinity College, and in the Physical portion of the Examination for Moderatorships in Experimental Science.

5. That the holder of the Scholarship be eligible for re-election under special circumstances, on the recommendation of the Trustees.

6. That secondly, a portion of the Fund be expended in founding a FitzGerald Medal, to be awarded to Students for research carried out in the Physical Laboratory of Trinity College, on the recommendation of the Trustees.

## PRIZES IN HISTORY AND POLITICAL SCIENCE.

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### CLUFF MEMORIAL PRIZE.

THE friends of the late James Stanton Cluff, both in this country and in England, desiring to express, by some permanent Memorial, their admiration of his talents, and their esteem for his character, have collected by subscription a sum of about £400, which has been devoted to the foundation of Prizes in Trinity College, Dublin, and University College, London—institutions with both of which he was closely connected.

The sum of £200 was presented to Trinity College and accepted by the Board on December 24, 1870.

The Prize was, prior to the year 1888, awarded to the best answerer at a Special Examination on a portion of Mediæval or Modern History.

Since 1888, by a Resolution of the Board and Council of June 2, and May 9, 1888, the Prize has been annually awarded to the best answerer at the Examination for Prizes in Modern History, held in the Michaelmas Term of the Junior Sophister Year. The Fund produces annually about £10.

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### THE BLAKE NATIONAL HISTORY SCHOLARSHIP.

IN the year 1884, the sum of £2700 was bequeathed by Miss Helen Blake, for the purpose of establishing a Scholarship, to be called "The Blake National History Scholarship." The following Regulations in reference to this Scholarship have been adopted:—

1. An election of a Scholar on the above foundation shall be held every fourth year, and the Scholar so elected shall hold the appointment for four years.

2. The interest of £2700, the Fund handed over by the Lords of the Treasury to Trinity College, shall be paid annually to the Scholar so elected. This Fund, and the accumulated savings, have been invested in the purchase of £2300 four per cent. Debenture Stock of the Great Southern and Western Railway Company of Ireland, and in £95 0s. 11d. Bank of Ireland Stock: and about £92 is paid annually to the elected Scholar.

3. The Scholarship shall be awarded to the author of the best unpublished Essay on the History of Ireland, or such portions thereof, or cognate subject bearing thereon, or event, or series of events, connected herewith, as the Provost and Senior Fellows of Trinity College shall decide.

4. The subject for the Essay, within the limits aforesaid, for which the Scholarship shall be awarded, shall be announced publicly three years before the election.

5. The Electors shall be the Provost and Senior Fellows, who shall from time to time make and publish the arrangements for the Election of these Scholars.

6. If the Provost and Senior Fellows shall decide that no Essay sent in is worthy of a Scholarship, no election shall take place on that occasion. And in this case the accruing interest shall be invested by the Provost and Senior Fellows to form a fund to be appropriated to the purposes hereinafter mentioned.

7. They may give a reward or rewards to unsuccessful Candidates, or apply a portion of the fund specified in No. 6 to defray the expenses of publication of Essays which may possess sufficient merit.

8. The Candidates for the Scholarship shall be resident Students of Trinity College, Dublin—the word Student being interpreted to include Members of Trinity College, under the Collegiate standing of Masters of Arts.

9. The first election shall take place early in the year 1888.

10. Scholars so elected may retain their Scholarships after taking the M.A. degree, but they must reside in Trinity College, or its vicinity, under the penalty of forfeiting their Scholarships. And in case of such Scholarship being forfeited or ceasing to be tenable (otherwise than by the effluxion of time), the Provost and Senior Fellows may appropriate so much of the income of the fund as would otherwise be applicable to such Scholarship to the fund specified in No. 6 of these Regulations.

11. The subject for the Essay to which the Scholarship will be awarded in 1920 is:—Irish History, social, political, and ecclesiastical, for the period 1625-40. Candidates are requested to observe that it is not a mere dissertation on a period that is required, but a narrative of facts. This narrative must be derived throughout from original sources, and every portion of it must be supported by reference to printed or manuscript documents. Candidates are invited to discuss the value of the authorities they use.

The Essays are to be sent in on or before November 1st in the year of election.

#### DUNBAR INGRAM MEMORIAL PRIZE.

ON December 2, 1896, J. K. Ingram, LL.D., Senior Fellow of Trinity College, gave a sum of £250 for the foundation of a Prize in Modern History, in memory of his son, T. Dunbar Ingram, and it was resolved—

“That a Prize be founded to be called the Dunbar Ingram Memorial Prize: that it be annually awarded to the student who, having passed the Final Freshman Examination, shall obtain the highest sum of marks at the Honor Examination in Modern History held in the Michaelmas Term of the Senior Freshman year: that Candidates at that examination, who desire to compete for this Prize, shall be allowed to increase their sum of marks by answering in a special course on some historical period, changeable from time to time.”

The sum invested produces annually about £7.

The Special Course at present is:—

IRELAND UNDER THE NORMANS, 1169-1216.

*Expugnatio Hibernica* of Giraldus Cambrensis (Rolls Series).

Open: *Ireland under the Normans*, 2 vols.

## PRIZES IN POLITICAL ECONOMY.

In the year 1837, the Provost and Senior Fellows resolved to institute an Annual Examination in Political Economy, and to offer Prizes, one of £10, and a second of £5, for proficiency in that science.

The Examination is held in Trinity Term; it is conducted under the direction of the Professor of Political Economy, partly *vivâ voce*, and partly by written questions.

These Prizes are open to all students under M.A. standing.

No Candidate who has once been awarded either of the Prizes can obtain a Premium a second time.

The Course consists of two parts, viz. :—

I. *General Course* (60 marks).

Candidates will be examined in—

- (i) Economic Theory and History of Theories.
- (ii) Economic History.
- (iii) The Elements of Statistics.

II. *Special Course* (40 marks).

A special subject, variable from year to year, will be prescribed.

*Special Subject for 1921.*

“Problems of Modern Banking.”

The following works may be consulted :—

R. G. Hawtrey, “Currency and Credit.”

E. W. Kemmerer, “The A, B, C of the Federal Reserve System.”

The Reports of the Committee on “Currency and Foreign Exchanges after the War” (Cd. 9182 and Cmd. 464).

WHATELY MEMORIAL PRIZE IN POLITICAL ECONOMY.

On the 13th of May, 1871, a communication was received by the Board of Trinity College, from the Committee of the Whately Memorial Fund, stating that, after defraying the expenses connected with the administration of the Fund, and the erection of a monument to the late Archbishop Whately, in St. Patrick's Cathedral, Dublin, there remained a sum of £411 17s. 1d., New Three per Cents., and a small sum in cash. After paying the premium in 1872, there remained a sum of £364 19s. 6d., New Three per Cents., to the credit of the Fund. The entire Fund is now invested



in £102 3s. 6d. Bank of Ireland Stock, and produces annually about £12. The following proposal, relative to the Whately Prize, was adopted by the Board, June 21, 1886:—

The Prize will in future be awarded to the author of the best essay on a specified economic subject, which conforms to the conditions hereinafter stated.

Graduates of any chartered University in the United Kingdom will be eligible as candidates.

All essays, with fictitious signatures attached, are to be sent to the Senior Lecturer on or before the last day of September in the year in which the Prize is to be awarded. The subject will be announced at least one year previous to the date fixed for sending in the essays.

*Subject for 1922.*

“Capitalism and Speculation in the Modern World.”

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#### PRIZES IN ANCIENT HISTORY AND CLASSICAL ARCHÆOLOGY.

The Bursar is authorized to pay £5 each Michaelmas Term, beginning in 1918, to be distributed in book prizes among the Students obtaining the highest totals of marks on the results of the three Class Examinations to be held in January, April, and October respectively on the work of the previous Terms in Ancient History and Classical Archæology.

## PRIZES IN ENGLISH.

### VICE-CHANCELLOR'S PRIZES IN ENGLISH.

THE rules with respect to the Vice-Chancellor's Prizes in English Prose and English Verse have been given already under "Vice-Chancellor's Prizes."

*Subjects for the Prizes to be awarded in January, 1921.*

English Prose—"The Prospects of British Drama."

English Verse—"The Childhood of Jeanne D'Arc."

### PRIZE IN OLD AND MIDDLE ENGLISH.

IN Trinity Term, 1906, the Board established an annual Prize of £10 10s. to encourage the study of Old and Middle English.

The following Course has been approved :—

Sweet : Anglo-Saxon Reader (last edition).

Beowulf : (ed. Wyatt, Cambridge University Press).

Morris and Skeat : Specimens of Early English, Part I.

Introduction and extracts, 6, 9, 13, 19, 20 ; Part II.

Introduction and extracts, 9, 10, 16.

Sievers : Grammar of Old English, ed. Cook.

Wyld : Historical Study of the Mother Tongue. London : John Murray, 1906.

Cambridge History of English Literature, vol. I.

Unseen passages for translation may be set at the discretion of the examiners.

### DOCTOR HENRY HUTCHINSON STEWART LITERARY AND MEDICAL SCHOLARSHIPS.

Extract from a Scheme pursuant to a Decree of His Honor the Master of the Rolls, bearing date the 11th day of July, 1882, and the Rulings of the 21st day of March and 23rd day of April, 1883, for the distribution of the Residuary Estate of the late Henry Hutchinson Stewart, of Eccles-street, in the City of Dublin.

1. "The moiety of such clear annual income [as shall arise from the real and personal estate bequeathed by the late Doctor Henry Hutchinson Stewart], when paid to the Bursar of Trinity College, Dublin, shall be applied in the maintenance of so many Medical and Literary Scholarships as the said moiety, with the accretions thereto, shall from time to time afford, in the proportion of one Literary Scholarship, and two Medical Scholarships, or as near thereto as the circumstances of the case will admit ; the number of such Scholarships available for the year to be prescribed by the Provost and Senior Fellows of Trinity College at the commencement of each Academical year. And one-third of the sum received by the Bursar to be appropriated in each year to the endowment of such Literary Scholarships, and the remaining two-thirds of the said sum to endowment of Medical Scholarships, the said Scholars to be chosen for proficiency in the respective subjects hereinafter mentioned : and in

case the said moiety shall in any one year exceed the amount required for the maintenance of the said Scholarships, or in case the prescribed number of Scholarships shall not for any reason be filled up, the surplus income shall, at the discretion of the Provost and Senior Fellows, be either in the whole or in part reserved as a fund for granting of prizes to unsuccessful competitors for the Medical Scholarships hereby founded in the said College, or be accumulated until, with previous accretions, it shall be sufficient to afford an income for the maintenance of one or more additional Scholarships, such Scholarships to be maintained as Medical and Literary Scholarships in the same proportion as the original Scholarships.

2. "One Medical Scholarship at least shall be awarded for proficiency, to be ascertained by competitive examination, in the subject of the treatment of Mental Diseases, according to a course to be prescribed by the Provost and Senior Fellows of Trinity College; and the remaining Medical Scholarship or Scholarships shall be awarded for proficiency to be ascertained by competitive examination in some or all of the following subjects—that is to say, Anatomy, Physiology, Chemistry, Physics, Botany, Materia Medica, or other cognate subjects, according to a course to be from time to time prescribed by the Provost and Senior Fellows of Trinity College; and all such Scholarships and Prizes shall be designated by the name of 'The Doctor Henry Hutchinson Stewart Medical Scholarships and Prizes;' and the Provost and Senior Fellows shall apportion the sum applicable to the endowment of Medical Scholarships in each year in such proportions as they shall consider advisable between the Medical Scholarships of each class.

3. "Each Medical Scholar elected for proficiency in the subject of the treatment of Mental Diseases shall, as the condition of retaining such Scholarship, be bound within six months from his election to such Scholarship to proceed to some recognized institution for the treatment of Mental Diseases, to be approved of by the Board of Trinity College, and there continue as either a resident or out-door pupil for such period, not less than six months, and under such conditions, as the Provost and Senior Fellows shall by a general regulation prescribe: and on failure to observe such condition, the said Scholarship shall in the discretion of the said Provost and Senior Fellows be liable to be declared vacant.

4. "The Literary Scholarship or Scholarships shall be awarded to the Student or Students who shall be certified by the Senior Lecturer to have obtained the highest aggregate of marks at the five several Honor Examinations in Modern Literature held in the Junior Freshman and Senior Freshman and Junior Sophister years, and all such Scholarships shall be respectively designated by the name of 'The Doctor Henry Hutchinson Stewart Literary Scholarships and Prizes.'

5. "No student shall compete for a Medical Scholarship other than the Scholarship for proficiency in the treatment of Mental Diseases, after the completion of his second year as a Medical Student in Trinity College, Dublin; and no person shall compete for a Scholarship to be awarded for proficiency in the treatment of Mental Diseases, but within two years after he shall have graduated as a Bachelor of Medicine.

6. "No person shall compete for a Medical Scholarship who is already the holder of a Medical Scholarship either in Trinity College or the Royal University; and no person shall be admitted to compete a second time for a Medical Scholarship.

7. "Each Scholarship, whether Medical or Literary, shall be held for the term of three years; and it shall not be incumbent on the Board of Trinity College to fill the vacancies available in any one year, if in their opinion the answering has not been such as to merit it."

"Clause 5 has been amended pursuant to an order of the Master of the Rolls, dated the 20th of November, 1899, so that it now reads as follows:—

Subject as hereinafter provided, no student shall compete for a Medical Scholarship in Anatomy and Institutes of Medicine after the completion of his second or third year (at the discretion of the Board of Trinity College, Dublin) as a Medical Student in Trinity College, Dublin; and no student shall compete for a Medical Scholarship in any other subject (other than the Scholarship for proficiency in the Treatment of Mental Diseases) after the completion of his second year as such Medical Student as aforesaid; and no person shall compete for a Scholarship to be awarded for proficiency in the Treatment of Mental Diseases but within two years after he shall have graduated as a Bachelor of Medicine: Provided always that students who enter the Medical School in Trinity College, Dublin, in a Summer Session, shall be allowed to compete for a Medical Scholarship in Anatomy and Institutes of Medicine at the end of their third or fourth Summer Session (at the discretion of the aforesaid Board of Trinity College, Dublin) if they have not taken out a course of Practical Histology or Dissections in their first Summer Session.

In Michaelmas Term, the Senior Lecturer will add to the marks obtained by the Candidate at the three Examinations in Modern Literature of the Junior Sophister Year those obtained by him at the two Examinations in English, French, or German Literature held in the Michaelmas Terms of the Freshman Years. If he has been awarded Prizes in more than one of these subjects in either of the Michaelmas Terms of the Freshman Years, that in which he obtained the highest marks will alone be taken into account in awarding the Dr. Henry Hutchinson Stewart Scholarship. The Junior Sophister who shall have obtained the highest aggregate of marks so made up, shall receive £20 a year during three years, provided his answering be deemed sufficient. The Scholarship is paid quarterly by the Bursar.

For the Regulations respecting the Dr. Henry Hutchinson Stewart Medical Scholarships see under the head "School of Physic, Prizes."

#### RICHARD F. LITLEDALE PRIZE.

ON January 18, 1892, Mr. Harold Littledale and other relatives and friends of the late Rev. Richard F. Littledale, D.D., contributed a sum of £228 14s. 6d. for the founding of a Prize in English Literature in commemoration of him, and it was decided that the Prize should be awarded annually to the student who, having passed the Final Freshman Examination, shall obtain the highest marks at the Michaelmas Senior Freshman Prize Examination in English Literature.

The sum invested produces annually about £7.



## PRIZES IN ORIENTAL LANGUAGES.

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### HEBREW, CHALDEE, AND SYRIAC PRIZES.

PRIZES to Graduates for the encouragement of the study of Hebrew were first instituted by a decree of the Board, dated February 22, 1794, and a fund set apart for the purpose. In the year 1800, this fund was considerably augmented by the munificence of Primate Newcombe, and the grant was continued by his successors in the See of Armagh, until the year 1871, when it was withdrawn, in consequence of the disendowment of the Church of Ireland.

In the year 1874, it was decreed by the Board that a sum not exceeding £40 should be given annually for Prizes in Hebrew, Chaldee, and Syriac.

All Students are now permitted to attend Hebrew Lectures, and the Professor is authorized to give a Certificate for one year's attendance. An Annual Examination is appointed to be held, at the end of each year, in Trinity Term, and Hebrew Premiums are awarded to the best answerers at this Examination, provided they have attended the three antecedent Terms of Lectures. For the subjects and regulations of this Examination, see "Divinity School," § v.

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### PRIZES IN ARABIC, PERSIAN, AND HINDUSTANI.

In Michaelmas Term, 1856, the Provost and Senior Fellows founded an annual Prize of £10 for proficiency in Arabic. An Examination is held annually in Trinity Term, of Students wishing to compete for the above Prize. No Student is admitted to this Examination unless he has studied under the Professor of Arabic for at least three Terms.

In 1872 an annual Prize of £5 was founded, to be given, under similar conditions, for proficiency in Hindustani or Persian.

In 1908 the Board agreed to give both an annual Prize of £5 in Hindustani, and another of equal value in Persian, subject to similar conditions.

The Prizes are not to be awarded unless sufficient merit is shown.

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### PRIZE IN SANSKRIT.

In Michaelmas Term, 1856, the Provost and Senior Fellows founded an annual Prize of £5, which they increased in 1885 to £10, to be given for proficiency in Sanskrit, under conditions similar to those which hold good in reference to the Prize in Arabic.

## PRIZES IN LANGUAGES.

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### PRIZES IN IRISH.

FOR the encouragement of the study of the Irish Language, in 1842 the Board resolved to place annually the sum of £20 at the disposal of the Professor of Irish, to be given in Premiums to such Students as shall distinguish themselves in the Irish Language. The Examination is held in Trinity Term, on a day arranged at the end of the preceding Hilary Term, after due notice has been received.

The following Courses have been appointed :—

#### *Junior Class—*

1. Elements of Irish Grammar.
2. Irish Composition.
3. Irish Texts, for translation into English : P. O'Leary, *Séadna*, pp. 1 to 53.

#### *Middle Class—*

1. Irish Grammar.  
Irish Composition.  
Irish Text, for translation into English :  
*Bruidhean Chaorthainn*, ed. Pearse.  
*Eachtra Thaidg mhic Céin*, by An Seabhadh.

#### *Senior Class—*

1. A thorough knowledge of Irish Grammar.
  2. Irish Composition.
  3. Irish Texts, for translation into English :—  
*Oidhe Cloinne Uisnigh*.  
*Sgéalaigheacht Chéitinn* (Bergin).  
Geoffrey Keating's Poems, ed. M'Erlean, i to xi, inclusive.
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### FERGUSON MEMORIAL PRIZE.

On the 31st of May, 1907, a sum of £240, raised by public subscription, was made over to the Board of Trinity College, for the purpose of founding a Prize in Celtic Literature, as a memorial of Sir Samuel and Lady Ferguson.

The sum received was invested in Bank of Ireland Stock, in the name of the Provost, Fellows, and Scholars, and of the Librarian of Trinity College, and produces annually about £7 10s.

The Board of Trinity College have adopted the following regulations :—

1. The Prize shall be known as the Ferguson Memorial Prize.

2. It shall be awarded for the best Edition of a text in Old or Middle Irish, hitherto unpublished, and relating to any part of the history or literature of Ireland prior to the year 1200 A.D. The Edition shall include a translation, textual criticism, explanatory commentary, and a glossary, and shall be completely prepared as if for publication. The Prize shall not be awarded unless the text selected be deemed by the Examiner to be of adequate length and interest, and unless a sufficient standard of merit be attained.

3. The Prize shall be open to all undergraduates and to graduates under the standing of M.A. It shall be offered for competition *every third year* beginning with the year 1910, and the exercises submitted must be sent to the Senior Lecturer not later than March 17. If on any occasion the Prize is not awarded, the interest of the Fund shall be added to the capital.

4. The value of the Prize shall be £20. The fees of the Examiners shall be paid out of the Fund. Any unexpended balance of interest shall be added to the capital.

## PRIZES IN ITALIAN AND SPANISH.

EXAMINATIONS for Prizes in Italian, and for Prizes in Spanish, were instituted in 1875, and are held annually, usually in Trinity Term, when a First and a Second Prize in Italian, and a First and a Second Prize in Spanish, are awarded, if sufficient merit be shown. The Prizes are £4 and £2 respectively, in books, and are open for competition to all Undergraduates, but can be obtained only once by any Candidate.

The following Courses have been appointed:—

### ITALIAN.

Manzoni: *I promessi Sposi* (Chaps. I.—XII.).

Dante: *Il Purgatorio*, Cantos 1—20.

Dante: *L'Inferno*.

The Italian Poets (Blackie).

The Italian Prose-Writers (Blackie).

Goldoni: *Un Curioso Accidente*; *Il Vero Amico*.

### SPANISH.

Calderon: *La vida es sueño*, *Il magico prodigioso*.

Cervantes: *Don Quijote*, Part I.

F. Caballero: *La Gaviota*.

Antologia de los mejores Poetas Castellanos (Nelson).

Valera: *El Pájaro Verde* (Ginn).

Moratin: *El Sí de las Niñas* (Ginn).

Azorin: *Lecturas Españolas* (Nelson).

Gil y Zárate: *Guzmán el Bueno* (Ginn).

## PRIZES IN OLD FRENCH AND PROVENÇAL.

In Trinity Term, 1908, the Board agreed to institute an annual Prize of £5 in Old French and Provençal, to be awarded on the result of an Annual Examination held in Trinity Term, and open to all Students up to Trinity Term after Degree. The Examiner may, at his discretion, divide the £5 into £3 and £2.

The following Course has been appointed :—

- I. Oulmont: *La Poésie Française du Moyen-Age* (Mercure de France).  
*Le Mystère d'Adam* (Studer—Manchester University Press).
- II. (a) Mistral: *Mireïo*, Cantos i, ii, iii, and iv.  
Mistral: *Memòri e Raconte*, Chapters x to end.  
(b) *Les Poésies de Peire Vidal* (in Champion's *Classiques Français du Moyen-Age*).  
*Bertran de Marseille: La Vie de Sainte Enemie* (in Champion's *Classiques Français du Moyen-Age*).
- III. Bourciez: '*Éléments de linguistique romane*,' pp. 25–399.
- IV. Old French and Provençal versification.

## THE DOMPIERRE-CHAUFÉPIÉ PRIZE.

In Trinity Term, 1912, Mr. Gerard Alston Exham, M.A., F.T.C.D., presented £150 Mexican Railway 1st Preference Stock, to found a prize of about £12 annually, for the encouragement of the practical knowledge of French, to be called "The Dompierre-Chaufepié Prize," in memory of a very great friend, Eugénie de Dompierre de Chaufpié, of the Hague, Holland, who died recently.

The following regulations were suggested by Mr. Exham and approved of by the Board :—

(1) That the prize be given in the Trinity Term of each year, beginning in 1913, in connexion with the Senior Freshman Honor Examination in French, only the Essay and a special *viva voce* examination (to test the practical knowledge of French) to be taken into account.

(2) That Candidates must have attended (any) three Terms of Honor Lectures in French previous to the examination, and must be recommended by the Honor Lecturer.

(3) That the regulations may be altered on giving one year's notice.



## MISCELLANEOUS PRIZES.

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ALICE OLDHAM MEMORIAL PRIZE.

THE friends of the late Alice Oldham, desiring to record their appreciation of her work for the advancement of the higher education of women, subscribed a sum of money which it was decided to devote to the founding of a Prize in the University of Dublin.

The Prize is to be awarded to the woman Student who, having attended Alexandra College as a Student for at least one Session, shall in her Junior Sophister year obtain highest place among women Students similarly qualified, in one of the Honor Courses of the Michaelmas Term examinations; the award to be made by the Board of Trinity College.

The money subscribed is to be invested in securities authorized by the Trustees Acts; the interest, to a sum not exceeding £10, is to form the Prize, which is to be awarded biennially from 1910: interest in excess is to be added to capital, with the view of so increasing the capital that the Prize may eventually be awarded annually.

The Provost and Lady Registrar of Trinity College and the Lady Principal of Alexandra College are the Trustees for the administration of the fund.

## Exhibitions and Special Prizes awarded at Entrance.

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### JUNIOR AND SENIOR EXHIBITIONS.

IN Trinity Term, 1870, it was resolved by the Board that, in pursuance of the Decree of the Board and Visitors, dated March 19, 1870, certain Exhibitions should be established in the College, subject to such changes as the Provost and Senior Fellows might from time to time ordain. The number of these Exhibitions was increased in Trinity Term, 1875, and in Michaelmas Term, 1904.

On March 8, 1913, the Board discontinued the twelve Exhibitions hitherto awarded on the results of the Intermediate Examination, and on June 7, 1913, resolved, that Exhibitions shall in future be distributed by the Board at their discretion when the results of the Senior and Junior Exhibition Examinations are laid before them.

#### I.—JUNIOR EXHIBITIONS AWARDED AT ENTRANCE.

1. Sixteen Exhibitions, twelve of £20, and four of £15 a year, tenable for two years, are awarded in each year to Students in the rising Junior Freshman Class, who have entered within the year, provided sufficient merit be shown by the Candidates.

This rule has been modified by the following resolutions:—

I.—“That the Junior Exhibition Examination be open, not only to all Students in the rising Junior Freshman Class, but also to Candidates whose names are not on the College Books, who shall conform to the regulations as to age and to character already in force, and who shall pay a fee of £1 seven days before the commencement of the Examination.

II.—“The latter class of Candidates will not be elected to Exhibitions unless the Senior Lecturer be satisfied that they have qualified at this Examination in each of the subjects required at an Entrance Examination. Such Candidates are permitted to place their names on the College Books by payment of the excess of the Entrance fee over the above fee of £1 within one week of the declaration of the result, after which the usual Tardy Payment charge commences. If a Candidate is elected to an Exhibition, the Bursar will, at the request of his Tutor, place the December payment of his Exhibition to the credit of the Candidate with the Junior Bursar, as part payment of the Entrance fee.”

2. These Exhibitions are called the Junior Exhibitions.

3. The Examinations are held annually, in Michaelmas Term, on days notified in the University Calendar.

4. No Student is allowed to be a Candidate who shall have completed his nineteenth year before the 1st of June immediately preceding the commencement of the Examination.

5. All Students intending to compete for these Exhibitions must forward their names, and a certified copy of their baptismal registry, or other satisfactory evidence of age, to the Senior Lecturer, at least three days before the commencement of the Examination.

6. No Student holding a Supplemented Erasmus Smith Exhibition, is entitled to hold one of these Exhibitions.

7. An Exhibitioner losing his class in College, or not keeping his name on the College Books, forfeits his Exhibition.

8. At the end of the Michaelmas Term Examinations each year, the Senior Lecturer reports to the Board the names of any of the Junior Exhibitioners elected in the previous year who do not appear to have made satisfactory progress in the Junior Freshman year; and the Board then considers whether they will continue the Exhibition for the second year.

9. Any grave violation of College discipline subjects the holder of an Exhibition to forfeiture.

10. The Examination lasts four days (five if Experimental Science is taken), beginning at 9.30 o'clock, A.M., and is in the following Courses:—

*Classics* (360 marks). Marks.

Compositions, . . . . .	120
Unprescribed Passages, . . . . .	120
Ancient History, . . . . .	60
<i>Vivâ voce</i> (see below), . . . . .	60

*English* (160 marks).

An English Essay, . . . . .	100
English Literature, . . . . .	} 60
Or, English History and Modern Geography, . . . . .	

*French or German* (180 marks).

*Science* (300 marks).

Arithmetic, . . . . .	45
Algebra, . . . . .	90
Geometry—Six Books of Euclid, with easy deductions, . . . . .	90
Plane Trigonometry, . . . . .	75

*Experimental Science* (100 marks).

Each candidate shall bring up one<sup>a</sup> Greek, and one<sup>a</sup> Latin book of his own selection for *vivâ voce* Examination. He must send the Senior Lecturer notice of his selection at least one week before the Examination.

The Course in Algebra and Trigonometry is:—

*Algebra*, The First Four Rules, Fractions, Surds, Simple and Quadratic Equations.

*Trigonometry*, To the end of Solution of Plane Triangles.

The Course in English consists of:—

1. Trench, English Past and Present.
2. A. Hamilton-Thompson's History of English Literature (Murray), Chaps. VI., VII., VIII., § 1 and § 2, XI., XII., XV., XVII., XIX., omitting Notes and Illustrations, with corresponding portions of Smith's Specimens of English Literature (from "Short Specimens," also published as "Smaller Specimens").
3. Milton, Paradise Lost, Book I.
4. Shakspeare, Merchant of Venice.
5. English Composition.
6. History of England (Green's Short History of the English People).
7. Modern Geography (Clyde).

The Course in Experimental Science is:—

*Physics*.—Measurement of length, area, volume, density, weight, pressure, and time.

Elementary phenomena of Heat, Light, and Sound. (One hour and a half.)

*Chemistry*.—Physical and Chemical change. First laws of Chemistry. Elements and compounds. Mechanical mixtures and Chemical compounds. The properties of the typical elements. Hydrogen, Oxygen, Nitrogen, and Carbon. The Elementary Chemistry of the atmosphere. (One hour and a half.)

[These Papers may either be set during the *Vivâ Voce* days, or on a subsequent morning.]

The Certificate of a year's work in an approved Laboratory will be required.

11. The Exhibitions are paid half-yearly, through the Tutors of the respective Students—the first payment is made at the close of the December quarter next following the day of election.

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<sup>a</sup> As regards the definition of one book, the Senior Lecturer will accept an amount of any *classical* author equivalent, in Greek, to one book of Thucydides, or two books of Xenophon, or a Greek play, or three books of Homer: and, in Latin, to a book of Livy or two books of Cæsar, or a speech of Cicero's not shorter than the *pro Milone*, or two books of Virgil.



II.—SENIOR EXHIBITIONS AWARDED AT THE CLOSE OF THE SECOND YEAR.

1. Sixteen Exhibitions, twelve of £20, and four of £15 a year, tenable for two years, are awarded, in each year, to Students who have passed the Final Freshman Examination held at the end of the Trinity Term of the Senior Freshman year.

2. These Exhibitions are called the Senior Exhibitions.

3. All Senior Freshmen intending to compete for these Exhibitions must forward their names to the Senior Lecturer, at least one week before the first day of the Final Freshman Examination.

Any Student failing to forward his name to the Senior Lecturer in accordance with this rule, will be required to pay a fee of £1 before his name can be placed on the list of candidates.

4. After the close of the Prize Examinations in Michaelmas Term, the Senior Lecturer adds to the total of the marks obtained by any Candidate for Senior Exhibitions at the Final Freshman Examination, held at the end of Trinity Term—

Fifty per cent. of the sum of the marks above a certain minimum (which is fixed for each subject) obtained at the Prize Examinations in Michaelmas Term, and the Honor Examinations (if any) in either Hilary or Trinity Term, by each student in Mathematics, Classics, Mental and Moral Philosophy, Experimental Science, Natural Science, History, and Old and Middle Irish; and thirty-five per cent. of the sum of the marks above this minimum in each case obtained at the Prize Examinations in Michaelmas Term, and the Honor Examinations in either Hilary or Trinity Term, by the student in English Literature, French, and German.

The minima are fixed as follows:—Mathematics, 15 per cent.; Classics, 25 per cent.; Logic, 40 per cent.; History, 40 per cent.; Experimental Science, 30 per cent.; Natural Science, 35 per cent.; Celtic Languages, 40 per cent.; English Literature, 40 per cent.; French, 40 per cent.; German, 40 per cent.

In the case of a Student obtaining Honors in the same department at both the Hilary and Trinity Examinations, the highest marks are taken into account.

5. The list of marks thus made up is submitted to the Board by the Senior Lecturer, with the names arranged in order of merit; and the Board elects the sixteen most deserving Candidates as Senior Exhibitors, provided sufficient merit has been shown.

6. A Student who has dropped a class since his entrance is ineligible.

7. An Exhibitioner losing his class in College, or not keeping his name on the College Books, forfeits his Exhibition.

8. Any grave violation of College discipline subjects the holder of an Exhibition to forfeiture.

9. The Exhibitions are paid half-yearly, through the Tutors of the respective Students—the first payment is made at the close of the December quarter next following the day of election.

10. All Scholars and Students holding at the time of election a Supplemented Erasmus Smith Exhibition or a Kidd Scholarship are excluded from this competition.

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### ERASMUS SMITH EXHIBITIONS.

By an Act of the Parliament of Ireland (10 Geo. I., c. 1, *Private*) it was provided that twenty yearly Exhibitions of £8, of the late Irish currency (being equal to £7 7s. 8d. of the present currency), and fifteen several Exhibitions of £6 a year, Irish (being equal to £5 10s. 9d., present currency), shall from time to time, and at all times thereafter, be paid and payable out of the rents and profits of the lands of the Governors, to the like number of Poor Scholars, Members or Students of Trinity College, respectively, until they shall be otherwise provided for, removed, or take the Degree of Master of Arts in College, or be of standing to take such Master of Arts Degree. There is also a reduction of £5 (sterling) a year in the rent of Chambers held by Exhibitioners; an Exhibitioner, who is also a Scholar, can obtain a reduction *either* as a Scholar *or* as an Exhibitioner, but not as both.

The following Rules are now in force. Information to be obtained at 40, Harcourt-street, Dublin.

1. That, for the benefit of the three Grammar Schools of the foundation of Erasmus Smith, at Drogheda, Galway, and Tipperary, and the pupils thereof, and for the encouragement of learning therein, ten of the said Exhibitions of £7 7s. 8d. shall be appropriated to the said three schools, and that five of these shall be increased or supplemented each year by an additional grant of £32 12s. 4d. to the sum of £40, and that five others of them shall be increased or supplemented by an additional grant of £17 12s. 4d. to the sum of £25, such supplemental sums or grants to be held subject to the regulations hereafter mentioned, and that the said several supplemental grants shall be known and distinguished as “Erasmus Smith’s Grammar Schools’ Supplemented Exhibitions.”

2. That the said Erasmus Smith’s Grammar Schools’ Supplemented Exhibitions shall not be attached to any of the said three Grammar Schools in particular, but shall be open for competition equally to the pupils of all these schools, subject as hereinafter provided.

3. That one such Supplemented Exhibition of £32 12s. 4d., and one such of £17 12s. 4d., shall be offered for competition in each year to pupils of the said three Grammar Schools.

4. That the said Grammar Schools' Supplemented Exhibitions shall be open for competition only to such students of Trinity College, Dublin, as shall have been continuously for at least three years in all previous to their College entrance, pupils in some one or more of the said three Grammar Schools.

5. That no pupil of any of said Grammar Schools shall be qualified to compete for a Supplemented Exhibition who shall not have continued as a pupil at one of the said three Grammar Schools, if a Pensioner, until the October Entrance Examination in Trinity College, or if a Sizar, until the Sizarship Examination in Trinity College, immediately preceding in each case the Competitive Examination at which he may present himself.

6. That for the benefit of the Governors' High School in Harcourt-street, Dublin, and the pupils thereof, four of the said Statutory Exhibitions of £7 7s. 8d. each, shall be appropriated to the said High School, and shall be increased or supplemented each year by an additional grant of £17 12s. 4d. to the sum of £25, to be held subject to the regulations hereinafter mentioned, and shall be open for competition to pupils of the said High School only; and that the supplemental grants hereinbefore provided for the said High School shall be known and distinguished as "Erasmus Smith High School Supplemented Exhibitions."

7. That one such Supplemented Exhibition of £17 12s. 4d. shall be offered for competition in each year to pupils of the said High School.

8. That the said High School Supplemented Exhibitions shall be open for competition only to such students of Trinity College, Dublin, as shall have been continuously for at least three years previous to their College Entrance pupils in the said High School.

9. That no pupil of the said High School shall be qualified to compete for a Supplemented Exhibition who shall not have continued as a pupil thereat, if a Pensioner, until the October Entrance Examination, or if a Sizar, until the Sizarship Examination in Trinity College, Dublin, immediately preceding in each case the Competitive Examination at which he may present himself.

10. That the said supplemented grants for the said High School Exhibitions shall continue to be provided out of the income of the High School, so far as same will extend, and any deficiency shall be made good out of the general funds of the Governors.

11. That no student at any of the said Schools shall be qualified to receive any Supplemented Exhibition who shall at the time of such competitive examination have attained the age of twenty years.

12. That no Fellow Commoner shall be qualified to compete for any Supplemented Exhibition.

13. That the Provost and Senior Fellows of Trinity College, Dublin, be requested to continue to appoint examiners as heretofore, who shall on some convenient day in each year hold a competitive examination of such students as shall present themselves, and shall have entered from the three Grammar Schools of Erasmus Smith's foundation, or the said High School; and the course of learning forming the subject of such



examination shall be that which is or shall be provided or authorized by the rules and regulations of Trinity College, Dublin, for the Examination for Junior Exhibitions.

14. That the Head Masters of the said Schools be directed to furnish to the Registrar, before the end of the first week of October in each year, a list of such of their pupils intending to enter Trinity College previous to the Examination for Exhibitions as are duly qualified, as hereinbefore provided, to compete for the Supplemented Exhibitions respectively.

15. That the Registrar shall forward a complete list of the pupils of said Schools so qualified to compete for the Supplemented Exhibitions to the Senior Lecturer of Trinity College before the end of the second week of October in each year.

16. That the Board of Trinity College be requested to continue to furnish, as at present, to the Governors at the close of each such Competitive Examination, at which any student having been a pupil of any of the said Schools may have presented himself for Examination, a detailed statement of the result of such examination, under the several heads of the subjects examined, setting forth not only the positive merits of each such student, but also his relative merits as compared with the several other persons who have submitted themselves to such examination, from whatsoever schools such other persons may have come, and also in such statement to give such other information respecting the examination as they may deem expedient to bring under the notice of the Governors.

17. That in case it shall appear from such statement that a student who shall have entered from any of the said schools, and shall be duly qualified according to these rules, shall be first in merit by reason of his having outstripped all competitors at such examination, wherever educated, he shall be entitled to receive an additional sum of £10 per annum; and such additional sum of £10 shall be deemed part of his Supplemented Exhibition.

18. That the Governors shall not be bound to award any Supplemented Exhibition upon the result of any such Competitive Examination to any of such competitors unless they consider his positive merit sufficient to deserve same, and they shall have power to award a Supplemented Exhibition of a lower amount, if they shall consider the positive merit sufficient only to deserve such amount. £40 Exhibitions shall only be awarded when the candidate is within the first fourteen places; or, if outside that number, shall have scored 45 per cent. at the Examination.

19. That no student shall be permitted to compete more than once at any such examination.

20. That any student who shall have obtained a Grammar Schools Supplemented Exhibition shall be entitled to hold it for a period of five years, and a High School Supplemented Exhibition for a period of four years, in case his name shall be so long continued on the books of Trinity College, and that proceeding regularly with his class he shall have obtained in each year of his Undergraduate Course one honor of the first rank or two honors of the second rank; the obtaining of such



Supplemented Exhibition being reckoned as equivalent to an honor of the second rank obtained in the Junior Freshman year, a Moderatorship as an honor of the first rank in the Senior Sophister year, and an University Scholarship, in whatever year obtained, as equivalent to an honor of the first rank at the Term Examination in that year. Any Trinity College Student who is on the books of any Professional School, shall be recognized as being on the College Books for the purposes of this Board, and shall be entitled to retain his Exhibition if he shall have passed with credit in that School. A "Pass with Credit" to be defined in each case by a certificate from the Registrar of the School on the recommendation of the Court of Examiners.

21. That success at the first Indian Civil Service Competitive Examination shall be reckoned as equivalent to an honor of the first rank, and that success at any of the subsequent Indian Civil Service Examinations shall be reckoned as equivalent to an honor of the second rank.

22. That a Supplemented Exhibition shall become forfeited in case the holder shall incur any heavy Collegiate censure, such as public admonition or rustication, or in case all the examinations of any year of his Course shall have elapsed without his having obtained in that year one honor of the first rank or two honors of the second rank, or what is to be deemed equivalent thereto as hereinbefore provided.

23. That the Supplemented Exhibitions shall be payable half-yearly, viz., on 1st May and 1st November; but that payments shall be made in May to such students only as shall have obtained in the preceding part of that year at least one honor of the second rank or its equivalent. That a half-yearly payment held over in May, shall be made in the following November, provided an honor shall have been obtained in the meantime; and a payment for the entire year shall be made in November to such students as had not qualified before the 1st of May for a half-year's payment, and shall, between the 1st of May and 1st of November, have fulfilled all the requisites for the whole year.

24. Pupils and former pupils of the Grammar Schools, the High School, and those who have been educated on the Erasmus Smith Foundation in the King's Hospital, Dublin, are eligible to apply for Statutory Exhibitions. All such applications must be lodged before the 1st of October in each year, with the Registrar, 40, Harcourt Street, Dublin.

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### THE JAMES PATRICK KIDD SCHOLARSHIP.

THE following Regulations received the approval of the Board, December 7, 1889:—

1. The Examination for the James Patrick Kidd Scholarship shall be held in Michaelmas Term.

2. Candidates for this Scholarship must either be in the Rising Junior Freshman Class, and have entered College not earlier than the first day of the preceding Trinity Term, or they must pay a fee of £1 seven days

before the commencement of the examination; but one of the latter class of candidates will not be elected to the Scholarship, unless the Senior Lecturer be satisfied that he has qualified at this examination in all the subjects required at an Entrance Examination; and, if elected, he will be required to place his name on the College Books according to the ordinary rules.

3. The Course for the Scholarship shall be that prescribed in the University Calendar for Junior Exhibitions, with the same limit of age.

4. The Scholarship shall be tenable for four years, and shall be forfeited by the holder incurring any heavy Collegiate censure, such as public admonition or rustication, failing to proceed regularly with his Class without the leave of the Board of Trinity College, or failing to obtain in any year one Honor of the first rank, or two Honors of the second rank, or else obtaining such equivalent distinctions as are specified in the Regulations for the tenure of Supplemented Erasmus Smith Exhibitions as stated in the University Calendar.

5. Whenever in future a Kidd Scholarship shall be vacant, the next following ordinary Examination for Junior Exhibitions shall be suspended, and Candidates for Junior Exhibitions and School Exhibitions shall be required to compete at the Examination for the Kidd Scholarships and each of the sixteen Candidates who come next in answering to the Student elected to the Kidd Scholarship shall be elected to a Junior Exhibition, provided that he satisfies the above condition as to age, and that he is not appointed to a Supplemented Erasmus Smith Exhibition.

The annual value of the Scholarship is about £80. The Scholarship will be awarded in 1921.

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### IRISH SOCIETY SCHOLARSHIP.

THE Hon. the Irish Society offers annually to women Students a Scholarship of £60 per annum, tenable for three years in Trinity College, Dublin, subject to the following conditions:—

Candidates must have studied continuously for the two years immediately previous to the competition at an Intermediate School in the city of Londonderry, or in the town of Coleraine. The Scholarships will be allocated to Students whose means are insufficient to pay the full expenses of a University Course, and preference will be given to a Student who is preparing for the profession of teaching.

The Scholarship is awarded on the marks obtained by candidates in the Senior Grade of the Irish Intermediate Examination.

The age of candidates must not exceed the limit allowed by the Irish Intermediate Board to candidates for Intermediate Exhibitions and Prizes.

Details of conditions of tenure can be obtained from the Hon. Secretary of the Londonderry Scholarship Committee, Victoria High School, Londonderry.

The Scholarship was awarded for the first time in 1907.

## BIGGS MEMORIAL PRIZE.

THE past pupils and friends of Richard Biggs, LL.D., desiring to record their appreciation of him as a head-master, and their regard for him as a friend, subscribed a sum of money to connect his name permanently with the Schools in which he worked, by instituting a prize to be called "The Biggs Memorial Prize."

The Prize is to be awarded to the best of those competitors at the Examination for Junior and Schools Exhibitions (provided sufficient merit be shown) who shall enter Trinity College, and who shall have been pupils for at least one year at Chesterfield School, Birr (or such other School in or near Birr as shall take its place) or at Galway Grammar School, or at Portora Royal School, Enniskillen.

Competitors must forward evidence of having been pupils for the time required to the Senior Lecturer before the commencement of the Examination.

The sum collected was invested in £350 Great Southern and Western Railway Four per cent. Debenture Stock, yielding annually about £15.

The Prize was awarded for the first time in Michaelmas Term, 1905.

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## HASLETT MEMORIAL SCHOLARSHIP.

THE Haslett Memorial Scholarship Fund was created in 1907 by some friends and pupils of the late William Woods Haslett, M.A., to commemorate his work in St. Andrew's College, Dublin, and his services to the cause of education.

The founders of this Scholarship were guided by the wishes which they remembered Mr. Haslett in his lifetime entertained to help deserving pupils to proceed with their education in Trinity College, Dublin.

The Scholarship is to be awarded to the best of those pupils entering Trinity College who shall be competitors at the examination for Junior Exhibitions, and who shall have been for the two previous years pupils at St. Andrew's College.

The value of the Scholarship is about £25, and it was first awarded in Michaelmas Term, 1907.

The Scholarship will not be awarded unless sufficient merit is shown.

## EXHIBITIONS TO WHICH APPOINTMENTS ARE MADE WITHOUT EXAMINATION.

THE following Exhibitions are awarded to Students by the Board without a special Examination; they are paid quarterly through the Tutors, provided that the holders (1) proceed regularly with their class, (2) have their names on the College Books, and (3) are under Master's standing:—

*Erasmus Smith Exhibitions.*—These Exhibitions were founded by the Governors of Erasmus Smith's Schools, and the foundation was confirmed by Act of Parliament (10 Geo. I., 1723). Students elected by the Board of Erasmus Smith are entitled to priority in appointment to these Exhibitions: and those not so filled are disposed of by the Board. The annual value of a first-class Erasmus Smith's Exhibition is £7 7s. 8d., and of a second-class do. £5 10s. 9d. There are 20 first-class and 15 second-class Exhibitions.

*Downes Exhibitions.*—The Downes Exhibitioners are selected, in accordance with the will of the founder, as expressed in the following passage of his will (Register, p. 3, 1784):—

"I leave Fifty Pounds annually, to be given among five Students on the Divinity line, in the proportion of £10 each, at the discretion of the Provost and Senior Fellows; respect being had in such choice to narrow circumstances, and proficiency in learning; the said stipend to continue till they shall arrive to the standing of A.M., or shall die, resign, or leave College, and then to cease, and others to be appointed in their room; and to be determinable sooner in case of immoral behaviour, negligence in attending the Divinity Lectures, or incapacity in such Students, certified by the Divinity Lecturer."

The annual value of each Exhibition is £10 *Irish*, or £9 4s. 8d. present currency.

*Worrall Exhibitions.*—The Worrall Exhibitioners, in accordance with the will of the founder, are chosen by the Board from poor scholars, who have entered as Sizars, the sons of clergymen in the diocese of Dublin, or, in default of such, the sons of citizens of the city of Dublin. The Fund produces annually about £75, and the annual value of each Exhibition is £9 4s. 8d. When an Exhibition is declared to be vacant, the Tutors are invited to state to the Board the names of their pupils having the qualifications required by the founder's will, and such other circumstances as may guide the Board in their selection.

*Crowe Exhibitions.*—These Exhibitions were formerly limited to Students nominated by the representatives of the founders.

On the 28th March, 1874, a deed of grant of the right of presentation to the Crowe Exhibitions, by the Rev. Robert Blundell to the Provost, Fellows, and Scholars of Trinity College, from and after the decease of the said Robert Blundell, was laid before the Board.



The Exhibitions are to be given to "Sons of Clergymen of the Church of Ireland (giving the preference to sons of clergymen of the diocese of Tuam) intending to devote themselves to the ministry of the Church of Ireland," such Exhibitions to be given as a rule to Students at the commencement of their Divinity Course, and in all cases taking into account the poverty of the respective Candidates.

The endowment yields annually about £106, and the annual value of each exhibition is £15.

*Span and Avary Exhibitions.*—These Exhibitions are specially limited by the wills of the founders to poor Students. There were formerly two Span Exhibitions of £24 annual value each, but in consequence of the failure of the fund, none are being granted at present. There are two Avary Exhibitions; the annual value of each is £4 12s. 4d.: the Exhibitioners are nominated by the Provost from among the Sizars.

*Clanbrassil, Stearne, Parsons, Yelverton, Griffith, and Briggs Exhibitions* are elected to by the Board for general collegiate merit, the preference being generally given to Scholars on the foundation. The annual value of each is £4 12s. 4d.

The Stearne Fund yields annually about £50; the funds of the remainder yield a total income of about £26.

As these Exhibitions are payable out of Special Trust Funds which are liable to fluctuation, the Board reserve to themselves the power of discontinuing the payment of them, either wholly or in part, whenever the requisite amount is not forthcoming.

*Worth Exhibitions.*—These Exhibitions were granted, in 1699, by the Hon. William Worth, of the city of Dublin, who granted for the purpose a charge of £20 Irish upon the funds of St. Stephen's Hospital, Cork, commonly called the Blue Coat School, founded by him.

William Worth appointed that four Students of Trinity College, Dublin, with a preference to natives of the city and county of Cork, should be selected by the Bishop of Cork, the Mayor of Cork, the heir-at-law of William Worth, and the Provost of Trinity College, and the income divided equally between them. In 1890 the Educational Endowments Commissioners framed a scheme for St. Stephen's Hospital, Cork, and directed that the £20 Irish shall be paid by the Governors of the Hospital to the Senior Bursar of Trinity College, and gave the Provost and Senior Fellows power to regulate the conditions, number, amount, and tenure of the Exhibitions.

The Board has decided that the selection of the Students shall be made as heretofore, and that the annual income of £20 Irish shall be divided into two Exhibitions, the Students to be elected for not more than two years, and to be capable of re-election.

## Assistance given without Examination to Deserving Students.

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### ASSISTANCE GIVEN BY THE TUTORIAL BODY.

IN the course of each half-year ending with the first Saturday in June or December each Tutor may grant exemptions to his pupils from tuition fees to the extent of four guineas for every complete hundred guineas paid by his pupils during the preceding half-year, provided that he may always grant exemption up to the extent of four guineas as a minimum; and provided also that in the case of future Tutors the approval of the Board be obtained for the exemptions thus given.

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### THE SALMON FUND.

IN October, 1894, and in subsequent years, Rev. George Salmon, D.D., Provost, transferred sums of money to the Board to form a fund "for helping poor students to pay their College fees, giving preference to sons of clergymen," which now amount to £4932 19s. 7d. The fund is administered by the Provost. Applications for assistance are made to him through the Tutors.

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### THE FREDERICK PURSER GRADUATES' FUND.

IN Michaelmas Term, 1910, the sum of £4000 was presented by John Purser Griffith, M.INST. C.E., and Mrs. Griffith, to institute a Fund in memory of Professor Frederick Purser, M.A., F.T.C.D. The object of the Fund is to lend at nominal interest to Graduates leaving Trinity College, Dublin, sums of money which may assist them to attain at the outset of their several careers more readily than otherwise to permanent positions.\*

The qualifications which will principally be taken into consideration in granting these loans will be—(1) limited means of the applicant and of his or her parents or guardians; (2) such general distinction and character during his or her College course as will serve as a guarantee that the money lent will be applied to what is likely to prove of permanent benefit to the applicant.

Applications, accompanied by particulars as to the qualifications of the applicant and as to the object and destination of the loan, should be made to the Trustees of the Fund through the Tutor; and the Tutor of each applicant, and some of the Professors or

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\* Such as say, to assist an Engineering Student who has graduated in the Engineering School to pay the fee required before he can be apprenticed to a Practising Engineer. It should be clearly understood that this case is merely taken as an example. Any Graduate may apply who requires assistance at the outset of his or her career

Teachers of Trinity College with whom the applicant has been associated in his or her studies, are to be requested by him or her to send recommendations direct to the Trustees. All communications will be regarded as strictly confidential.

It is only in exceptional circumstances that any single loan will exceed £100. Interest will be charged at one per cent. per annum, payable half-yearly. A recipient of a loan must enter into an undertaking to keep the Trustees acquainted with his or her residence, to pay the interest regularly, and when remunerative employment is obtained to repay the principal by instalments within a reasonable time, that time to be fixed by the Trustees in each case according to the nature of the remunerative employment which has been obtained. If the principal is repaid within three years from the time the loan is made, the interest paid will be refunded.

The Trustees meet to consider applications on the last Tuesday of each month during Term, and on the first day of Michaelmas Term. No application will be considered unless it shall have reached the Trustees at least three clear days before their day of meeting. Communications to be addressed to Dr. L. C. Purser, 35 Trinity College, Dublin.

#### THE FREDERICK PURSER UNDERGRADUATES' FUND.

IN Hilary Term, 1911, the sum of £3000 was given by John Purser Griffith, M.INST. C.E., and Mrs. Griffith, to institute a fund in memory of the late Professor Frederick Purser, M.A., F.T.C.D., to be called "The Frederick Purser Undergraduates' Fund," with the object of helping some Sophister Students of limited means who have shown promise in their previous Course, so as to enable them to derive the most benefit possible from the teaching of the Sophister years, whether in Arts or in the Professional Schools; and to save them, as far as may be, from being compelled to divert their energies into other activities in order to obtain necessary means of livelihood.

The whole sum available for distribution will be about £50 for the first year and £100 for each succeeding year.

Applications, accompanied by particulars as to the qualifications and prospects of the applicant, should be made to the Trustees of the Fund through the Tutor; and the Tutor of each applicant, and some of the Teachers in Trinity College with whom the applicant has been associated in his or her studies, are to be requested by him or her to send recommendations direct to the Trustees. All communications will be regarded as strictly confidential.

The Trustees meet to consider applications on the last Tuesday in October. No application will be considered unless it shall have reached the Trustees at latest on the Friday before the day on which the Trustees meet.

Communications to be addressed to Dr. L. C. Purser, 35 Trinity College, Dublin.



## SUMMARY OF SCHOLARSHIPS, EXHIBITIONS, AND PRIZES, AWARDED BY EXAMINATION IN THE UNIVERSITY OF TRINITY COLLEGE, DUBLIN.

### At Entrance:—

Every year 16 Junior Exhibitions, 12 of £20, and 4 of £15, a year for two years, and every fourth year the Kidd Scholarship, value about £80 a year for four years.

Additional Exhibitions or Prizes may also be given by the Board at their discretion to deserving candidates.

Twenty-six Entrance Prizes, namely, a First of £5 and a Second of £2 in each of the following subjects:—Greek Verse, Latin Verse, Greek Prose, Latin Prose, English Literature and Composition, English History and Modern Geography, French, German, Hebrew, Experimental Science, Natural Science, Modern Irish, Scripture.

About 10 Sizarships annually, in Mathematics, Classics, French and German, Experimental Science, Hebrew, and Irish, awarded by examination in June, and limited to poor students.

The Charles Wilkins Memorial Prize in Mathematics, £10, for Women.

### In any year of their Course Students may compete for:—

About 16 Foundation Scholarships for men, awarded annually in Mathematics, Experimental Science, Natural Science, Classics, French and German, History and Political Science, Mental and Moral Philosophy. Successful candidates are styled Scholars of the House, and are members of the Corporation of Trinity College; they receive a salary of £20 Irish, have their Commons free, their rooms at a reduced charge, pay only quarterly tuition fees of £1 1s., and their Scholarships last usually for 5 years.

Non-Foundation Scholarship, in the same subjects, for women, value £30 a year, with exemption from ordinary College Fees, save Tuition Fees.

The Marshall Porter Memorial Prize, £20, is awarded annually to the mostdeserving unsuccessful candidate for Classical Scholarship.

### *Term Honors and Prizes, and Prizes at Lectures:—*

Every Term Examinations are held, at which Honors of the First and Second Rank are awarded to Candidates who exhibit sufficient merit. In Michaelmas Term, Prizes of £4 and £2 are awarded to Candidates who obtain First and Second Honors, respectively.

Two Prizes of £1 10s. each, for Composition, are awarded each Term, one in each class, to Freshman students attending the Honor Lectures in Classics, similar Prizes are awarded in French and in German, and similar Prizes are awarded for Composition in English to the students attending the Professor's Lectures, one for Freshman students and one for Sophisters.



**Prizes and Exhibitions open for Competition :—***In the Junior Freshman year :—*

Term Prizes (see above) in Michaelmas Term in : Mathematics, Classics, Mental and Moral Philosophy, Experimental Science, Natural Science, History, English Literature, French, German, Italian, Old and Middle Irish.

Composition Prizes every Term (see above), at the Honor Lectures in Classics, French, German, and English.

Catechetical Prizes, £2 each, at all the Lectures and Examinations, to Students who exhibit sufficient merit.

The Townsend Memorial Prize in Mathematics, £20, awarded on the results of the Honor Examinations in Mathematics.

*In the Senior Freshman year :—*

Term Prizes (see above) in Michaelmas Term in : Mathematics, Classics, Mental and Moral Philosophy, Experimental Science, Natural Science, History, English Literature, French, German, Italian, Old and Middle Irish.

Prizes for Composition every Term (see above), at the Honor Lectures in Classics, French, German, and English.

Catechetical Prizes, £2 each, at all the Lectures and Examinations, to Students who exhibit sufficient merit.

Sixteen Senior Exhibitions, twelve of £20, and four of £15 a year for 2 years, awarded on the results of the Final Freshman Examination and the Honor Examinations of the Senior Freshman year.

Additional Exhibitions or Prizes may also be given by the Board at their discretion to deserving Candidates.

The Jellett Prizes, £5 and £3, for first and second places at the Final Freshman Examination held at the end of Trinity Term.

The Michael Roberts Prize, £6, in Mathematics ; the William Roberts, £6 in Classics ; the Dunbar Ingram, £7, in Modern History ; and the Littledale, £8 in English Literature ; awarded at the Term Prize Examinations in Michaelmas Term ; the Dompierre-Chaufepié Prize, £12, in French, at the Trinity Term Honor Examination in French.

*In the Junior Sophister year :—*

Term Prizes in Michaelmas Term in : Mathematics, Classics, Mental and Moral Philosophy, Experimental Science, Natural Science, History and Political Science, Modern Literature, Legal and Political Science, Celtic Languages.

Catechetical Prizes, £2 each, at all the Examinations to Students who exhibit sufficient merit.

The Lloyd Exhibition in Mathematics, value about £15 a year for 2 years, awarded at the Term Prize Examination in Michaelmas Term.

The Dr. Henry Hutchinson Stewart Literary Scholarship, value £20 a year for 3 years, awarded on the results of the Term Honor and Prize Examination, in French, German, and English Literature, in the Freshman and Junior Sophister years.

The Cluff Memorial Prize, about £12, in Modern History, awarded at the Term Prize Examination in Michaelmas Term.

*In the Senior Sophister year:—*

The Wray Prize, £28, in Mental and Moral Philosophy, awarded at a special Examination in Hilary Term.

The Degree Examination can be passed by answering in any of the following Courses:—Mathematics, Classics, Mental and Moral Philosophy, Experimental Science, Natural Science, History and Political Science, Modern Literature, Legal and Political Science, Engineering Science, Celtic Languages. Successful Candidates are styled Senior or Junior Moderators, and receive Gold or Silver Medals. A Studentship, not exceeding £100 a year for one year, and a Brooke Prize of about £34, are awarded to the first and second answerers, respectively, in Mathematics, combined with another Course; and a Studentship and Brooke Prize of similar values are awarded to the first and second answerers, respectively, in Classics, combined with another Course. Also Research Scholarships are awarded to graduates.

About £350 is awarded annually in other Prizes to deserving answerers at the Degree Examination.

Scholars who obtain Senior Moderatorships are usually granted Exhibitions of £10 a year for 3 years.

The King Edward Prize of £10 is awarded to the Respondent who answers best at the Degree Examination in December.

The FitzGerald Memorial Scholarship and Medal in Experimental Science, £50.

Catechetical Prizes, value £2 each, are awarded at the Term Examinations to Students who exhibit sufficient merit.

*In the Junior Sophister and subsequent years to M.A. standing:—*

Prizes in Biblical Greek, £15.

*For Undergraduates:—*

Prizes in Italian, £4 and £2; in Spanish, £4 and £2.

*In the Junior Bachelor year:—*

The Bishop Law Prizes, value £20 and £10, in Mathematics, in Michaelmas Term.

*For Graduates of not more than 8 years standing:—*

The Elrington Theological Prize, value £50, for an Essay on a Theological subject.

*For Graduates:—*

The Whately Memorial Prize in Political Economy, every fifth year, value about £60, awarded for an Essay on a specified Economic subject.

At the Examination for Fellowship, the first man out receives the Madden Prize, value about £285, provided there are two disappointed Candidates at least, and to him and other unsuccessful Candidates the Board usually grant Prizes, varying from £60 to £20, in order to encourage them in reading for Fellowship.

**In any year of their College Course up to M.A. standing:—**

Students may compete for the following special Scholarships or Prizes, which are all awarded annually, unless a statement to the contrary is made:—

*In Mathematics:—*

The M'Cullagh Prizes, value £30 and £20, on a special course.

*Classics:—*

Bishop Berkeley's Gold Medals (2), on a special subject.

Vice-Chancellor's Latin Medals (2 Gold), on a special subject.

Two Vice-Chancellor's Prizes, value £20 each, for Compositions on special subjects.

The Ferrar Memorial Prize, £15 for Comparative Philology, a special course being set.

Tyrrell Memorial Gold Medal, every second year, for Composition.

Mullins Classical Exhibition, value £17 a year for three years, every third year, awarded on a dissertation and an Examination on a special course.

*History and Political Science:—*

Prizes in Political Economy, £10 and £5, in Trinity Term.

The Blake National History Scholarship, every fourth year, value about £92 a year for four years, awarded for an Essay on a specified subject.

Ancient History and Classical Archæology, £5.

*English:—*

The Vice-Chancellor's Prizes, £20 and £20, for English Prose and English Verse.

Prize in Old and Middle English, £10 10s.

*Languages:—*

Hebrew, Chaldee, and Syriac, £40; Arabic, £10; Hindustani, £5; Persian, £5; Sanskrit, £10: all awarded by Examination to Students attending the corresponding Lectures. Prizes in Irish, £20; Old French and Provençal, £5. The Ferguson Memorial Prize in Celtic Literature, every third year, £20.

*In Subjects connected with the Study of Divinity:—*

Wall Biblical Scholarship, value £20 a year for five years. In Ecclesiastical History, £10 and £5.

**Prizes in the Professional Schools:—***Prizes in the School of Divinity:—*

Each Term two Prizes for Composition, value £2 each, one for the Senior Class, and one for the Junior. The Carson Biblical Prize, £15 10s. The Toplady Memorial Prize, £6 5s. The Ryan Prize, £3. Archbishop King's Divinity Prizes, £12, £8. Bishop Forster's Divinity Prizes, £14 10s. The Downes' Divinity Premiums: for Written Composition, £12 and £8; for Oratory, £6 and £4; and for Reading the Liturgy, £5, £2, £1, and £1. The Warren Church Formularies Prize, £10. The Robert King Memorial Prize in Ecclesiastical History, £3 10s. The O'Regan Memorial Prize, £5.

Two Theological Exhibitions, value £60 and £20 a year, tenable for three years. The Kyle Irish Prize, £11. A Bedell Scholarship of £20 a year for four years, and a Bedell Prize of £10, are awarded from time to time.

*Prizes in the School of Law :—*

At the end of Trinity Term Prizes amounting to £45 may be awarded by the Professors to the best answerers of the Students attending their Lectures.

*Prizes in the School of Physic :—*

A Begley Studentship of about £37 a year for four years, awarded annually.

A Medical Scholarship of £20 a year for two years, and a Dr. Henry Hutchinson Stewart Scholarship of £10 a year for three years, in Chemistry, Physics, Botany, and Zoology, open to Students who have not completed two years.

A Medical Scholarship of £20 a year for two years, and a Dr. Henry Hutchinson Stewart Scholarship of £10 a year for three years, in Anatomy and Institutes of Medicine, open to Students who have not completed three years.

The Daniel John Cunningham Medal and Prize, awarded at the Intermediate Medical Examination, Part I., in June, to the student who obtains highest marks in Anatomy, and completes the Examination.

The John Mallet Purser Medal in Physiology and Histology, awarded at the Intermediate Medical Examination Part I. in June, open to Students who have not spent more than three years in the School.

The Fitzpatrick Scholarship of about £32 is awarded annually to the Student who obtains the highest aggregate marks at the five sections of the Final Medical Examination, provided that his Medical Course shall have been completed in the prescribed time of five years.

A Medical Travelling Prize, and a Surgical Travelling Prize, each of £100, in alternate years, open in Trinity Term to Students who have passed the Final Examination in Medicine, or in Surgery, as the case may be, within two years from the beginning of the Term. The John Banks Medal is awarded to the winner of the Medical Travelling Prize, and the John Banks Prize of about £15 to the second best answerer. The Edward Hallaran Bennett Medal is awarded to the winner of the Surgical Travelling Prize, and the Edward Hallaran Bennett Prize to the second best answerer.

The following Prizes are granted by the Professors: —Institutes of Medicine, £6 and £4; Practice of Medicine, £5; Materia Medica, £5; Medical Jurisprudence, £5.

*In the School of Engineering :—*

A Prize in Geology and Mineralogy of £10 to third year's men, and one of £5 to second year's men.

A great number of the above Prizes, &c., are paid out of Special Trust Funds, and accordingly are subject to variation, so that the amounts given must be taken as approximate values.



## Professional Schools.

THE Testimoniums in the School of Divinity, and the Degrees, Licenses, or Diplomas in the Schools of Physic, Engineering, and Agriculture can only be obtained by attending prescribed Courses of Lectures during two or more years, and passing certain Examinations.

Students seeking credit for a Term by Lectures must, at the commencement of such Term, duly register with the Clerk of the Books their places of residence for that Term, and during Term notify a change of residence: if this rule be not observed, credit for the Term cannot be allowed.

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### DIVINITY SCHOOL.

#### § I. GENERAL RULES.

IN order to obtain the Divinity Testimonium, Students must pass the Regius Professor's Final Examination, having previously kept the Divinity Terms of two years: during the first year with Archbishop King's Professor of Divinity; during the second with the Regius Professor. Each year consists of three Terms, viz. Michaelmas Term, beginning in the last week of October or first week of November; Hilary Term, beginning in the last week of January or first week of February; Trinity Term, beginning in the last week of April or first week of May. The Lectures of each Term last about seven weeks. It is regular to keep the Terms in the order just stated; but this is not insisted on, and a Student may enter the Divinity School at the beginning of any Term. When a Student has completed his attendance on three Terms' Lectures, and has satisfied the other requirements stated below, he presents himself at an Examination held by Archbishop King's Professor. A Student cannot obtain credit for his first year, and is not permitted to commence attendance with the Regius Professor, until he has passed this Examination.

Students in Divinity are required to attend the Services in the College Chapel during Lecture Term, and they must satisfy the Regius Professor or Archbishop King's Professor that they are habitual communicants of the Church of Ireland. This rule does not apply to a Student who is not a member of the Church of Ireland, or of a Church in communion therewith; but he will not receive the ordinary Testimonium at the end of the Second Year, a special form being substituted for it.

Students in Divinity who are also Students in Arts are not entitled to claim Professional Privileges in any Term in which they substitute for Classics one of the other Courses in Arts.

No Student can present himself for Entrance into the Divinity School who has not kept at least four Terms of the Freshman Catechetical Course, or passed an examination in the whole Senior Freshman Catechetical Course.

A Hostel in connexion with the Divinity School has been established by the General Synod of the Church of Ireland, and recognized by the Board of Trinity College as a registered place of residence for Divinity Students. A prospectus will be furnished on application to the Warden, 25, Mountjoy Square, Dublin.

## § II. ADMISSION TO THE DIVINITY SCHOOL.

Students who have completed their Junior Sophister Year, and who have obtained satisfactory marks in Greek and Latin, may enter the Divinity School; but none but those who have passed the Degree Examination; or who are Senior Sophisters, and qualified to present themselves at the Degree Examination in the following December, are permitted to join the Senior Divinity Class. It is possible for a Student to obtain his Testimonium without paying any fees in addition to those necessary for obtaining his Degree of Bachelor in Arts; because the names of Graduate Divinity Students completing their last Term of Divinity Lectures of the Senior Year in the June Quarter are not struck off the College books until after the Final Examination of the Regius Professor of Divinity; but they are not thereby entitled to the payment of the June quarter of any Exhibition or Prize they may hold.

Students of lower standing than Senior Sophisters who are candidates for Moderatorship, and, in special cases, those who do not intend to pursue the Course in Arts, are allowed to present themselves at the Examination for Entrance into the Divinity School; but it is necessary for them to obtain written permission from Archbishop King's Professor. They are required to make application for such permission a month before the commencement of the Lectures they propose to attend; and they ought to state fully what grounds there are for dealing with them exceptionally, and in particular whether they have received an education in Arts elsewhere.

Any man who has served abroad in the navy or army during the years 1914-1918, shall, if he receive a recommendation from a bishop, be permitted to present himself at the Entrance Examination to the Divinity School at any time after passing the Entrance Examination to the University, and if he pass the Entrance Examination to the Divinity School, he shall be allowed to proceed with his Divinity Course.

Students wishing to enter the Divinity School should give notice of their intention to Archbishop King's Professor not less than seven days before the date of the Entrance Examination.

The examination for Entrance to the Divinity School embraces the following courses:—

- I. The Greek text of the Gospel according to St. Mark, with questions on Greek Grammar.
- II. Butler, Sermons i., ii., and iii.; with Preface and Dissertation on Virtue.
- III. Mackenzie's *Manual of Ethics*, Books i. and ii.
- IV. The Senior Freshman Catechetical Course, viz., Genesis, Exodus, i.-xx., incl., 1 & 2 Samuel, 1 & 2 Kings.

All Students must pass in Courses II. and III.

All Students, whether Graduates or Undergraduates, who have not obtained satisfactory marks in Greek at the Final Freshman Examination, must pass in Course I.

Students who have completed four Terms of the Freshman Catechetical Course are excused from Course IV.

### § III. JUNIOR DIVINITY YEAR.

In each Term Archbishop King's Professor of Divinity delivers a Course of Prelections, on Mondays and Thursdays, at eleven o'clock, in the Divinity School; and on the same days his Assistants lecture at noon. One or more of the Assistants may, as need shall require, lecture at one o'clock. The subjects of these Prelections and Lectures are given below. On Tuesdays and Fridays the Lecturer in the English Bible delivers a Course of Lectures at eleven o'clock (see p. 217). Archbishop King's Professor is authorized to require that Students whom he considers deficient in Greek should attend such of the Tutorial Lectures in Greek as may be deemed suitable. A Student cannot obtain credit for having kept a Term, if he shall have absented himself more than once from any Course of Lectures by Archbishop King's Professor, or by his Assistants, or by the Lecturer in the English Bible in such Term, unless in the case of sickness or some other unavoidable impediment, when the omission of a number of Lectures, not exceeding one-fourth of the whole, may be allowed if approved by the Board.

Each Assistant Lecturer holds an examination of his own class at the end of each Term.

It is within the discretion of Archbishop King's Professor to deliver a further course of Prelections on a subject of his own choice on Wednesdays at eleven o'clock, attendance at which is compulsory.

The Professor is empowered to require, at his discretion, from the Students, during each Term, written answers to questions on the subjects of his Prelections.



On the first Lecture day of each Term an Examination is held in a portion of the Greek Testament, at which all Students in the Class, of whatever standing, must present themselves. Students who fail to pass a satisfactory Examination in the appointed Course of Greek on the first day of Term are required to attend Tutorial Lectures in Greek during Term, as provided above.

Examinations in Ecclesiastical History are held on the first days of Lectures in Hilary and Trinity Terms. These two preliminary Examinations must be passed before the Student is allowed to present himself at the Examination with which the Divinity Course for the first year closes.

Six days, not ordinary Lecture Days, are appointed in each Term for English Composition; and credit for *four* attendances at least is necessary for keeping the Term. A premium of £2 is awarded by the Board in each Term, on the recommendation of Archbishop King's Professor, to the Student who shall have sent in the *three* written Essays of highest merit.

The following are the Subjects prescribed for the Lectures and Examinations of each Term:—

*Michaelmas Term.*—On the first Lecture Day Students are examined in the Greek Text of *Acts*, i.—xii., incl.

(Candidates are expected to be acquainted with the renderings of the Revised Version of the New Testament.)

Archbishop King's Professor delivers a Course of Prelections on The Revelation of Christ, its evidence and history; and his Assistants lecture on the Greek text of one of the Synoptic Gospels.

The Lecturer in the English Bible delivers a Course of Lectures.

*Hilary Term.*—On the first Lecture Day Students are examined in the Greek Text of the Epistles to the Galatians and the Philippians; and also in Robertson's *History of the Christian Church*, Book I., chaps. iv.—vii. (*The Early Heretics*; and from A.D. 180 to A.D. 313); Book II., chaps. i., ii., iii., from A.D. 313 to A.D. 363.

Archbishop King's Professor lectures on The Doctrine of the Incarnation, and his Assistants lecture on Maclear's *Introduction to the Creeds*.

The Lecturer in the English Bible delivers a Course of Lectures.

*Trinity Term.*—On the first Lecture Day Students are examined in the Greek Text of *Acts*, xiii.—xxviii., incl.; and also in Robertson's *History of the Christian Church*, Book II., chaps. iv., v. (from A.D. 363 to A.D. 395); Book III., chaps. iii., iv. (*Nestorianism; Eutychianism; The Council of Chalcedon; Advance of the Roman See*).

Archbishop King's Professor lectures on The Authority, Inspiration, and Criticism of the Bible; and his Assistants lecture on the Greek Text of the Epistle to the Romans.

The Lecturer in the English Bible delivers a Course of Lectures.



When a Student has obtained credit, according to the regulations already specified, for attendance at the Lectures of three Terms, he completes his Junior Year by passing a final Examination, conducted by Archbishop King's Professor and his Assistants, according to the following rules:—The principal Examination is held at the end of Trinity Term, for Students who have regularly commenced attendance with Michaelmas Term; but Supplemental Examinations are held at the end of each Term, for the benefit of Students terminating their Course at other times. A Supplemental Examination is also held at the beginning of Michaelmas Term, before the Lectures of the Senior Class begin. In rejecting a Candidate, Archbishop King's Professor determines whether he may present himself again at the Examination at the end of the next following Term, or whether he must be longer kept back.

*Students are required to give notice to Archbishop King's Professor of their intention to present themselves at this Examination. This notice must be given one week before the day of Examination.*

The Course for the Examination is as follows:—

1. The four Gospels and Acts of the Apostles in English.

(Candidates are expected to be acquainted with the renderings of the Revised Version of the New Testament.)

2. The four Gospels and the Epistle to the Romans in Greek.
3. Paley, *Evidences*; Butler, *Analogy*, Part I (omitting Chap. 1), Part II, Chaps. 2 and 7 (part i).
4. Kirkpatrick, *Divine Library of the Old Testament*; Hammond, *Outlines of Textual Criticism*.
5. Articles of Religion, I.—VIII. (English and Latin texts); Maclear, *Introduction to the Creeds*; Liddon, *The Divinity of our Lord*, Lectures II., IV., V., VI., VII.
6. The portions of Robertson's *History of the Christian Church* appointed for the Hilary and Trinity Term Examinations.
7. The Prelections of Archbishop King's Professor.

Failure to satisfy the Examiners in either 1 or 2 will disqualify a Candidate from obtaining credit for this Examination.

An additional Examination for Prizes (attendance on which is not compulsory) is held in Michaelmas Term See below, "Prizes."

#### § IV. SENIOR DIVINITY YEAR.

The Regius Professor receives into his Class those Students only whose names have been returned to him by Archbishop King's Professor as having satisfied all the requirements of the Junior Year, and who have passed the Degree Examination, or are Senior Sophisters, and qualified to present themselves at the Degree Examination in the following December, or who do not intend to

pursue the Course in Arts, but were permitted by Archbishop King's Professor to enter the Junior Class. During the second year, the Students are required to attend the Regius Professor, and one of his Assistants; also the Lecturer in the English Bible, if they have not obtained credit for this course previously (see p. 223). In Michaelmas and Hilary Terms the Professor delivers Prelections on the Dogmatic Theology of the Church in relation to (a) the Church of Rome, (b) the Eastern Church, (c) Non-episcopal Protestantism. In Trinity Term the Professor delivers Prelections on the Philosophy of Religion.

The Professor is empowered to require, at his discretion, from the Students, during each Term, written answers to questions on the subjects of his Prelections.

The Regius Professor lectures on Tuesdays and Fridays, and on Wednesdays at his discretion, at 10 o'clock. His Assistants lecture at the same hour on Mondays and Thursdays. The Lecturer in the English Bible lectures on Tuesdays and Fridays at 11 o'clock.

The rules as to the numbers of Lectures to be attended are the same as in the Junior Year.

#### SUBJECTS OF THE ASSISTANTS' LECTURES.

*Michaelmas Term.*—The Thirty-nine Articles, with Commentary, as appointed for the Final Examination.

*Hilary Term.*—The Book of Common Prayer.

*Trinity Term.*—The portions of the Greek Testament appointed for the Final Examination.

Each Assistant Lecturer holds an examination of his own class at the end of each Term.

On the first Lecture day of each Term Students are *examined* in a portion of the Greek Testament. (Candidates are expected to be acquainted with the renderings of the Revised Version of the New Testament.) Students who fail to pass a satisfactory Examination in the appointed Course of Greek on the first day of Term are required to attend Tutorial Lectures in Greek as in the Junior Divinity year.

On the first Lecture days of Hilary and Trinity Terms, an Examination is held in Ecclesiastical History, and Articles or Liturgy, *in addition to* the portions of the Greek Testament just mentioned. It is necessary to pass these Term Examinations in order to qualify for the Final Examination.

#### SUBJECTS OF THE TERM EXAMINATIONS.

*Michaelmas Term.*—The Greek text of the two Epistles to Timothy and the Epistle to Titus.

*Hilary Term.*—The Greek text of the First Epistle to the Corinthians; Robertson's *History of the Christian Church*, Book III., Book IV., chaps. i., ii.; Bishop Gibson's Exposition of Articles VI., XXII., XXV., XXVII., XXVIII.

*Trinity Term.*—The Greek text of the Epistle of St. James and of the two Epistles of St. Peter.

Hardwick's *History of the Reformation*:—Introduction; chap. i. (Germany): chap. ii. (Switzerland); chap. iv., chap. vi., chap. viii. (Roman Communion, English Communion); Bishop T. W. Drury's *How we got our Prayer Book*.

Six days, not ordinary Lecture days, are appointed in each Term for English Composition; and credit for *four* attendances at least is necessary for keeping the Term. A premium of £2 is awarded by the Board in each Term, on the recommendation of the Regius Professor, to the Student who shall have sent in the *three* written Essays of highest merit.

The Final Examination is held at the end of Trinity Term, for all Students who have attended and obtained credit for the three preceding Terms of the Senior Divinity year, and have complied with the foregoing regulations. A similar Examination is held at the end of the Michaelmas and Hilary Terms for Supplementalists who have completed their attendance on Divinity Lectures in those Terms respectively. A Supplemental Examination is held also at the beginning of Michaelmas Term, but Students competing at it are liable for the same fees as they pay for the Examination at the end of the Term.

*Students are required to give notice to the Regius Professor of their intention to present themselves at the Final Divinity Examination. This notice must be given one week before the day of Examination.*

The Examination is conducted by the Regius Professor and his Assistants; and the Professor of Ecclesiastical History takes part in the Examination in his own department. Those Students who have passed the Examination are arranged in three classes, according to their respective answering. No student will be placed in the First Class who has not passed in Hebrew. Students who come out in the first class receive a special Honorary Certificate, in addition to the usual Divinity Testimonium.

The Course appointed for this Examination is as follows:—

1. *Old Testament.*—Genesis—Esther.

2. *New Testament.*—Romans—Revelation.

(Candidates are expected to be acquainted with the renderings of the Revised Version of the New Testament in all the books the Greek of which they have had to prepare for examination in the Divinity School.)

3. *Hebrew.*—Optional. (See the Regulations below.)

4. *Latin.*—Rufinus, *In Symbolum Apostolorum* (ed. E. F. Morison, Methuen).

5. *Ecclesiastical History*.—The portions of Robertson's *History of the Christian Church* appointed for the Hilary Term Examination, and the portions of Hardwick's *History of the Reformation* appointed for the Trinity Term Examination: and also Stokes, *Ireland and the Celtic Church* (6th edition), Lectures i.-vii.
6. *Liturgy and Church Government*.—The Book of Common Prayer with Procter and Frere's *New History of the Book of Common Prayer* (1901).
7. *Greek*.—St. Paul's Second Epistle to the Corinthians, and the Epistle to the Hebrews.
- 8 & 9. *Articles of Religion* (with Bishop Gibson's Exposition).—  
(8) Articles i.-xvi. (9) Articles xvii. to end.
10. A paper of questions on *Old Testament*, Job-Malachi, with special attention to the Psalms.
11. A paper of questions on the public *Prelections* of the Regius Professor.

All Candidates must take up either *Hebrew* or *Latin*. They may take up both.

Any Student who has kept one or more Terms in the Senior Year, may obtain permission to present himself at the Examination at the close of any Term in which he has attended Divinity Lectures, in not less than three of the subjects above numbered 1, 2, 3, 4, 5, and 6; reserving the rest for his Final Examination.

Any Student so dividing the Final Examination must complete it within seven months from the close of his third Term; otherwise he will lose credit for the marks already obtained.

*Hebrew*.—The following are the Regulations under which Hebrew forms part of the Course prescribed for the final Divinity Examination:

(a) Those Students who have passed one or more Examination with the Professor of Hebrew shall not be re-examined, but shall receive such marks as the Professor of Hebrew shall have awarded them.

(b) Other Students shall be examined in the following Course:—  
Hebrew Grammar; and Genesis, chaps. i. to iv., and xii. to xv.

(c) Answering in this Course is to be estimated after the same manner as in the other subjects of the Examination.

(d) A special Certificate shall be given to such Students as shall have answered creditably in Hebrew at the final Examination, and have not previously obtained the Professor of Hebrew's Certificate.

(e) At the final Divinity Examination all Students who take up Hebrew may, at their option, substitute it for subject 4 (*Latin*).



*English Bible.*—The Lecturer in the English Bible delivers a two years' Course of Lectures on Tuesdays and Fridays at 11 o'clock. It is necessary for every student to obtain credit for attendance on this Course before he can present himself for the Final Divinity Examination. A Student may attend this Course in whole or in part before he has entered the Divinity School, and it is advisable in most cases to do so as early as possible.

When attendance upon the whole Divinity Course has been thus completed, the Divinity Testimonium is given in the following form:

Testamur A. B. per biennium sedulo interfuisse Prælectionibus atque Examinationibus in Sacra Theologia per leges Academicas requisitis.

———— Professor Reg. in Sac. Theol.

———— Professor in Sac. Theol.

E Coll. SS. Trin. juxta Dublin.

### § V. ADDITIONAL LECTURES.

In addition to the foregoing Lectures, which are compulsory upon all Divinity Students, instruction is also given upon various subjects in connexion with the Divinity School. These Courses are as follow:—1. Hebrew. 2. Biblical Greek. 3. Ecclesiastical History. 4. Irish. 5. Pastoral Theology. 6. Reading the Liturgy. 7. Church Music. The hours of instruction in these departments are so arranged as not to interfere with those of the Compulsory Lectures. Students are thus enabled to complete their attendance upon any or all of these Courses during the period of their ordinary Divinity studies.

The Professors of Biblical Greek, of Ecclesiastical History, and of Pastoral Theology, the Wallace Lecturer, and the Lecturer in the English Bible, are authorized to grant certificates of attendance on their respective Courses to Graduates who have obtained the Divinity Testimonium, and to them only. (See Order of Board, July, 1853.)

#### 1. HEBREW LECTURES.

1. All Students in Arts, of whatever standing, are permitted to attend Hebrew Lectures, which are continued for three years.

2. Students who have completed the first year in Hebrew may obtain from the Professor a Testimonium to that effect.

3. To complete the *first* year, the Student must attend three Terms with one of the Assistants to the Professor, the Course being as follows:—

Hebrew Grammar. Genesis, chaps. i. to iv., and xii. to xv.; 1 Kings, xvii. to xxii. and 2 Kings, i. to iii.

He must also pass an Examination in the above Course, to be held at the end of the third Term. Additional credit will be allowed at the Examination to Students who bring up also 2 Kings iv. to ix.

4. Students who have completed two years will be entitled to a Testimonium to that effect.

5. To enter upon the second year, a Student must have kept the three Terms of the first year, and passed the Examination.

6. Any Student who shall have passed a qualifying Examination to the satisfaction of the Professor, shall be permitted at once to join the Middle Class at Hebrew Lectures.

7. To complete the *second* year, the Student must keep three Terms, by attendance on the Lectures of the Professor, and also on the Lectures of one of the Assistants, the Course lectured on by the Assistants being as follows:—

Psalms xlii. to lxxii.

He must also pass an Examination in this portion of the Book of Psalms, to be held at the end of the third Term.

8. To enter upon the *third* year, the Student must have kept the two former years, and passed the Examinations; and to complete the year, he must attend the Professor's Lectures for three Terms, and pass an Examination at the end of the third Term. The subject of the Lectures is Proverbs i-xvi, and Isaiah xl-xlviii.

9. Students who have completed three years will be entitled to a Special Testimonium to that effect.

10. Prizes are given to the best answerers at the Annual Examinations. The names of all Students who pass the Examinations are placed in the order of merit, and published by the Professor.

11. *Prizes in Chaldee and Syriac.*—At the end of Trinity Term, in each year, Premiums will be given in the Syriac and Chaldee languages, at the Examination for the Hebrew Prizes, on the following conditions:—

1. Candidates must have passed the ordinary Hebrew Examination of the first year.

2. They must answer in the following Course:

Chaldee and Syriac Grammars.

St. Mark's Gospel, ix-xvi, and St. Paul's First Epistle to Timothy, in the Peshitta Version.

The Book of Ruth (in the Hebrew and Chaldee), edited by C. H. H. Wright.

Candidates for this Prize must give their names to the Professor of Hebrew, on or before the 1st day of June.

## 2. BIBLICAL GREEK.

The Professor of Biblical Greek delivers a Course of public general Prelections during two of the three Academical Terms of each year.

He also delivers special Lectures on particular books of the LXX, or the New Testament to such Students as may desire to attend them. The subjects and days of Lecture are announced at the beginning of each Term.

The Examination for Prizes is held in Trinity Term. For the regulations and subjects, see under "Biblical Greek, Prizes in."

## 3. ECCLESIASTICAL HISTORY.

The Professor of Ecclesiastical History delivers a Course of public general Prelections during two of the three Academical Terms of each year. The Course of Lectures is intended to extend over two years.

An Examination for Prizes is held in Trinity Term. For the regulations and subjects, see under "Ecclesiastical History Prizes."

## 4. IRISH.

All Students can attend the lectures of the Professor of Irish. For the regulations and Prizes see under "Irish."

## 5. PASTORAL THEOLOGY.

The Professor of Pastoral Theology delivers a Course of Prelections each Term. The Lectures are delivered on Saturdays at 9.30 a.m., in the Regent House. A Student cannot obtain credit for having kept a Term if he shall have absented himself more than once.

Certificates of attendance on this Course can be given only to those who have obtained the Divinity Testimonium.

The Professor holds an Examination at the close of Trinity Term, and presents Prizes of £3 and £2 to the best answerers.

It is part of his duty to assist in the reading and criticism of the Sermons of Students in Divinity.

## 6. READING THE LITURGY.

The Wallace Divinity Lecturer gives instructions once a week in voice-production and in reading.

These Lectures are attended by members of the Senior Divinity Class, and such members of the Junior Class as Archbishop King's Professor shall direct to attend.

Attendance is compulsory in case of such Students as the Professors shall direct to join it.

In order to obtain a Certificate—which can be given only to those who have obtained the Divinity Testimonium—Students must attend Lectures in Michaelmas or Hilary, and Trinity Terms.

A Student cannot obtain credit for having kept a Term if he shall have absented himself more than once. A Prize is awarded in Michaelmas and in Hilary Terms; and the Downes' Prizes for "Reading the Liturgy" are awarded in Trinity Term.

## 7. CHURCH MUSIC.

Instruction is given in Church Music on two days in the week in the College Chapel by the College Organist. Students getting credit for three terms (of which Trinity Term must be one) are entitled to certificates to that effect.

## § VI. PRIZES.

## THEOLOGICAL EXHIBITIONS.

For the further promotion of Theological learning, the Board of Trinity College, with the consent of the Visitors, on the 18th of December, 1858, founded "Theological Exhibitions," in place of the Prizes formerly known as the "Divinity Professor's Premiums."

The Examination for these Exhibitions is held each year at the end of Hilary Term, on the days stated in the Almanac.

To the best answerers at this Examination two Exhibitions are given, one of £60, and one of £40 per annum, provided there be sufficient merit. Each of these Exhibitions is tenable for a period not exceeding three years.

Candidates for these Exhibitions must not be of more than one year's standing as M.A., reckoned from the Michaelmas Examination of the Senior Freshman year; they must have obtained the Divinity Testimonium; and they must present themselves at the Examination immediately subsequent to the Term in which they have completed their Divinity Lectures. No person can offer himself as a Candidate a second time.

Candidates for these Exhibitions whose names have gone off the College Books, are permitted to replace them on payment of the Junior Bursar's fee of 15s.

The following is the Course appointed for March and June, 1921:—

## I.

*The Old Testament—*(a) *Exodus* in the Septuagint.

Commentaries recommended: Driver (*Cambridge Bible for Schools*) or M'Neile (*Westminster Commentaries*).

Swete, *Introduction to the Old Testament in Greek*: Part I, Chapters 1, 2, 3, 5; Part II, Chapters 4, 5; Part III, Chapters 2, 4, 5, 6.

(b) *The Pentateuch* and *Joshua*, in the Authorized and Revised Versions.

Chapman, *Introduction to the Pentateuch* (*Cambridge Bible*).

Sayce, *The Higher Criticism and the Monuments* (S. P. C. K.).

Robertson Smith, *The Old Testament in the Jewish Church*, Lectures viii.—xiii.

Thackeray, *Grammar of the Old Testament in Greek* will be found useful.

## II.

*Hebrew.—Proverbs xvii—xxxix* (incl.).

Commentary recommended—C. H. Toy, *The International Critical Commentary* (T. & T. Clark).



## III.

*The New Testament in Greek. Special Subject—The Epistle to the Romans.*

Editions recommended—W. Sanday and A. C. Headlam (*International Critical Commentary*), and J. Denney (*Expositor's Greek Testament*).

Moffatt, *Introduction to the Literature of the New Testament*, Prolegomena (pp. 1–58), and pp. 130–148.

Article in *Hastings' Dictionary of the Bible: Romans, Epistle to the*.

M'Neile, *St. Paul, His Life, Letters, and Christian Doctrine*, pp. 1–120; 265–307.

Salmon, *Introduction to the New Testament*, Lectures iv., v., vi., vii., xx.

Westcott and Hort, *The New Testament in Greek—The Introduction*, and so much of the Appendix as relates to the *Epistle to the Romans*.

Kenyon, *Handbook to the Textual Criticism of the New Testament* (2nd ed.).

J. Armitage Robinson, *The Study of the Gospels*.

## IV.

Hooker, *Ecclesiastical Polity*, Book 5.

The Doctrinal Decrees of the Council of Trent, viz. those passed in Sessions 3, 4, 5, 6, 13, 14, 21, 22, 23, 24, 25, omitting the Decrees on Reformation.

Accessible in the Tauschitz edition of the *Canones*, &c. (Leipzig); also in Denzinger's *Enchiridion* (Stahl's edition).

Hardwick, *History of the Articles*.

Salmon, *Infallibility of the Church*, Lectures ii., iii., iv., vi., xi., xii., xiii., xiv., xviii.–xxiii.

Duchesne, *Christian Worship: its Origin and Evolution*, omitting the Appendices (2nd or 3rd English edition).

Waterland, *Doctrine of the Eucharist*. Reprinted 1896 (Clarendon Press).

R. W. Dale, *The Atonement*.

## V.

(a) The general facts of Church History up to 700 A.D.

(b) Eusebius, *Ecclesiastical History*.

(c) *Special course*: Eusebius, *E. H.*, Books viii.–x., and *The Martyrs of Palestine*.

Lawlor, *Eusebiana*, Essays iii.–vi.

Mason, *The Persecution of Diocletian*.

J. B. Firth, *Constantine the Great*.

## VI.

*Latin*—Augustine, *De Civitate Dei*, Books xi., xii. Text published by G. Bell & Son (London, 1893). Reprinted from Teubner's Edition (Ed. Dombart).

*Greek*—Athanasius, *De Incarnatione*. Ed. by A. Robertson (D. Nutt; 2nd Ed. Lond., 1893).

Smith and Wace, *Dictionary of Christian Biography*—Articles *Augustinus* and *Athanasius*.

## VII.

[For Candidates who do not hold the Divinity Testimonium; see p. 11.]

The Examination for Theological Exhibitions will be held March 1, 2, 3.

The Examinations for B.D. Degree will be held March 1, 2, 3, 4; June 7, 8, 9, 10.

The following will be, on each occasion, the order of Examination:—

*First Day*, 10 a.m., Division VI.; 2 p.m., Division II.

*Second Day*, 10 a.m., Division I.; 2 p.m., Division III.

*Third Day*, 10 a.m., Division V.; 2 p.m., Division IV.

*Fourth Day*, 10 a.m., Division VII.

In December, 1921, the following will be substituted:—In i., (a) i., ii., *Chronicles* in the Septuagint; (b) The Historical Books, *Judges* to the Accession of Uzziah; in ii., *Ezekiel* i.-v.; xvii.-xix.; xxv.-xxxii.; in iii., *The First Epistle to the Corinthians*; in v., *Special Course*, Eusebius, *E. H.*, Books ii. 23-26; iii., iv.; Lawlor, *Eusebiana*, Essay i.; in vi., Novatian, *De Trinitate*; Clement, *Epistle to the Corinthians*—in each case with corresponding changes in the collateral books. Other changes may also be made. The whole Course for December, 1921-June, 1922, will be finally arranged and issued in or before Trinity Term, 1921.

## ARCHBISHOP KING'S DIVINITY PRIZES.

These Prizes were founded by the Board in the year 1836. They are called Archbishop King's Divinity Prizes, because they are given at an annual Examination held by Archbishop King's Divinity Professor.

This Examination is held in the beginning of Michaelmas Term; and such Students only can be Candidates for the Prizes as are selected by the Examiners at the general Divinity Examination, at the end of Trinity or beginning of Michaelmas Term.

The Course for the Examination is as follows:—

1. The four Gospels and Acts of the Apostles, in English.
2. The four Gospels, the Acts of the Apostles, and the Epistles to the Romans, Galatians, and Philippians, in Greek. *Special subject*: for 1920, The Acts of the Apostles; and for 1921, The Epistle to the Romans.
3. Butler's *Analogy*.
4. Paley's *Evidences* and *Horæ Paulinæ*.
5. Maclear's *Introduction to the Creeds*, and Swete's *The Apostles' Creed*.
6. Sanday on *Inspiration*, Lectures i., ii., iii., vi., vii., viii.
7. Liddon on *The Divinity of our Lord*, and Kirkpatrick's *Divine Library of the Old Testament*.
8. Robertson's *History of the Christian Church*, A.D. 64-590.
9. The Prelections of Archbishop King's Professor.

Two Prizes, one of £12 and the other of £8, are given to the best answerers (if sufficient merit be shown by the Candidates): and Certificates to such as answer sufficiently.

The Certificate cannot be given to any Student until he has completed his whole Divinity Course, and obtained the Divinity Testimonium.

#### BISHOP FORSTER'S DIVINITY PREMIUMS.

In the year 1738, the sum of £200 was given to the College by the Right Rev. Nicholas Forster, D.D., Lord Bishop of Raphoe, sometime Senior Fellow of Trinity College, Dublin, on condition that it should be applied to the purpose of encouraging the study of Theology, in connexion with the Lectures of Archbishop King's Professor of Divinity. When the office of Archbishop King's Professor was placed on a new foundation, in the year 1836, the endowment of Bishop Forster was included in the Prizes then instituted by the Board, for the Junior Divinity Class. The fund, along with the unappropriated balance of interest, produces annually about £14 10s., and this annual interest is distributed in Premiums to the two best answerers in the subjects of the Lectures of Archbishop King's Professor, at the Examination for Archbishop King's Divinity Prizes, if sufficient merit be shown by the Candidates.

#### CARSON BIBLICAL PRIZE.

In Michaelmas Term, 1891, the Rev. Joseph Carson, D.D., Vice-Provost, gave to the Provost and Senior Fellows of Trinity College the sum of £500, to found a Prize for the purpose of promoting among Divinity Students an accurate knowledge of the text of the English Bible. The Examination for the Prize is under the control and management of Archbishop King's Professor of Divinity, subject to such rules and regulations as the Provost and Senior Fellows may from time to time prescribe.

The Examination is held in the Hilary Term of each year. The Prize is open to all Students in the Junior Divinity Class, and the Examination, which is public, is conducted *vivâ voce*. No Student can compete for the Prize a second time.

The fund produces annually about £15 10s.

For the purpose of the Examination, the subject is divided into four parts, as follows:—

- i. Pentateuch, and Historical Books.
- ii. Job to Malachi.
- iii. Gospels, and Acts of the Apostles.
- iv. Epistles, and Revelation.

In each year, particular books of the above Course will be prescribed for *special* Examination.

The hours of Examination are the same as those appointed for Moderatorship Examinations, viz. from 9 to 12, and from 2 to 5.

Special Books appointed:—

For 1921—*Old Testament*.—1 and 2 Samuel.

*New Testament*.—The Acts of the Apostles.

## TOPLADY MEMORIAL SCRIPTURE PRIZES.

Rev. William Batley, M.A., presented £210 to the Board in Trinity Term, 1906, to form an endowment for a Prize in memory of Rev. Augustus Montague Toplady, Hymn-writer and Theologian.

The Prizes are given for knowledge of Holy Scripture (as distinct from general theological knowledge).

No book except the Bible (or Greek Testament) may be given as a Prize in connexion with this endowment which contains, in the opinion of those appointed to control the selection of the prize books, direct theological teaching.

The Prize, amounting to about £6 5s., is awarded annually to the Candidate next in merit to the Prizeman at the examination for the Carson Biblical Prize.

## DOWNES DIVINITY PREMIUMS.

In the year 1797, these Premiums were established out of a fund bequeathed to the College for the purpose, by the Rev. Dr. Downes, of Waterford. The fund produces annually about £39. The regulations concerning these Prizes (which are open to all Students in Divinity during the two terms antecedent to that in which the examinations are held) are as follows:—

1. *Written Composition*.—The Examiners are the Regius Professor of Divinity, Archbishop King's Professor of Divinity, and the Professor of Oratory. The subject is announced in the last week of Hilary Term by Archbishop King's Professor. On an appointed day in Trinity Term the Candidates deliver discourses on the proposed subject without hesitation, no discourse to exceed one quarter of an hour in delivery. A Premium of about £12 is adjudged to the best, and one of about £8 to the next best, or such inferior Premiums as they shall appear to merit, regard being had as well to the manner of pronouncing such discourses as to the matter of them. No Candidate can compete oftener than three times.

2. *Oratory*.—Prizes of about £6 and £4 are placed at the disposal of the Professor of Pastoral Theology each Trinity Term, to be awarded at his discretion to those Students who have profited most by his instructions in preaching and in the delivery of sermons. No Candidate can obtain either Prize a second time.

3. *Reading the Liturgy*.—Prizes of about £5 and £2 are placed at the disposal of the Wallace Lecturer each Trinity Term to be awarded at his discretion to those Students who have profited most by his instructions. No Candidate can obtain either Prize a second time. Prizes of £1 each Michaelmas and £1 each Hilary Term, are also placed at his disposal.



The following is an extract from the will of Dr. Downes, respecting the disposal of unappropriated Premiums:—

“And whereas it may from time to time so happen that Candidates meriting such Premiums may not appear, in such case, the savings in each year shall go to the augmentation of the fund, and be laid out, from time to time, in the purchase of Government securities, the interest thereof to be added to the fund for the increase of said Premiums in future.”

Dr. Downes also founded certain Exhibitions, to be held by Students in Divinity. The conditions on which these Exhibitions are awarded will be found under the title “Downes Exhibitions.”

#### CHURCH FORMULARIES PRIZE.

An Annual Prize of £10 was founded in the year 1868, by the Right Hon. Robert R. Warren, late M.P. for the University, in order to encourage the study of the Creeds and Articles of the Church. This Prize is given to the best answerer in the Church Formularies at the Final Divinity Examination held by the Regius Professor in Trinity Term, provided sufficient general merit be shown.

#### O'REGAN MEMORIAL PRIZE.

An Annual Prize of £5 is awarded to the best answerer at the Final Divinity Examination.

It was founded in 1918 by the son of the Ven. John O'Regan, Archdeacon of Kildare (Sch. 1841), to perpetuate the memory of his father, who obtained full marks from each of the nine examiners at the Final Divinity Examination in 1846.

A memoir of Archdeacon O'Regan, by his son, is also presented to the winner.

#### RYAN PRIZE.

In 1812 a debenture of £100 was granted to Trinity College by Edward Ryan, Esq., for the purpose of founding a Prize.

At the end of Trinity Term this Prize is awarded by Archbishop King's Professor to that member of the Junior Divinity Class (being under M.A. standing) who shall have been most diligent in attendance at Composition Lectures. The quality of the Essays written during the year will be taken into consideration.

The Fund invested produces annually about £3. The Prize is payable in November by the Bursar.

#### ROBERT KING MEMORIAL PRIZE IN ECCLESIASTICAL HISTORY.

On June 28, 1902, the friends of the late Rev. Robert King, B.A. (Sch., 1835), presented the sum of £112 to the Board for the purpose of founding a Prize in memory of him. The following conditions were suggested by the subscribers, and agreed to by the Board:—

1. That the money be invested, and the interest be awarded as a Prize

to the best answerer in Ecclesiastical History at the Final Divinity Examination held in Trinity Term, provided sufficient merit is shown.

2. That the Prize be known as the "Robert King Memorial Prize in Ecclesiastical History."

3. That, if in any year sufficient merit is not shown, the interest for that year be added to the capital.

The fund invested produces annually about £3 10s.

#### BEDELL SCHOLARSHIPS.

The Committee of the Irish Society, with the sanction of the Provost and Senior Fellows of Trinity College, founded in 1845 two Scholarships in the University, denominated "The Bedell Scholarships," and placed them under the superintendence of Trustees, named by the founders.

The Scholarships are designed for such Students only as give reasonable hope that they will be competent on their ordination to preach in the Irish Language. One Scholar is elected whenever a vacancy takes place.

The regulations are as follow:—

1. The value of each Scholarship shall be £20 per annum, payable half yearly, in the last weeks of October and April.

2. An Examination of Candidates shall be held annually, as soon after the Trinity Term Examination as possible, on a date to be fixed by the Trustees, in conjunction with the Professor of Irish.

3. The Scholarships shall be open to Students of any standing in the University, unless they be Irish Sizars; and shall be tenable by them for four years, if they shall keep their names so long on the College Books, and have not been admitted to Holy Orders.

4. They shall be required to reside in or near Dublin, and to attend the Lectures of the Professor of Irish (if not specially exempted by the Trustees of this fund), and to attend also Divinity Lectures, when of sufficient standing.

5. They shall be required to pass an Annual Examination, at the commencement of Michaelmas Term, in the Irish Language. The subjects of this Examination to be fixed by the Trustees, in conjunction with the Professor of Irish.

6. On the day of payment in April, the Scholars shall produce to the Trustees, or their Secretary, a certificate from the Professor of Irish, that they have satisfactorily passed the above-mentioned Annual Examination in Irish; they shall also obtain from their College Tutors, and at the same time present to the Trustees, or their Secretary, a certificate of the judgments and Honors, if any, which were given to them at the Term, Catechetical, and Divinity Examinations during the previous year.

7. On failure of any of these conditions, the payment then due shall be withheld; and on a second failure, the Scholarship shall become void.

8. The names of the Candidates, and their qualifications, shall be returned, after the Examination, to the Trustees, in whom the election shall be vested.

At the Examination for the Bedell Scholarship, the best answerer of the unsuccessful Candidates, if recommended by the Professor of Irish, obtains a prize of £10.

The following subjects have been appointed for the Examination for the Bedell Scholarship:—

1. Irish Grammar.
2. Translation of the Gospels from Irish into English, and *vice versa*.
3. The Lord's Prayer, Creed, and Ten Commandments, in Irish, by heart; the Creed proved from Holy Scripture.
4. The Thirty-nine Articles proved from Holy Scripture.
5. Composition.

ANNUAL EXAMINATIONS.

*First Year.*

1. Translation of Pentateuch.
2. Irish Prayer Book, Morning Prayer.
3. Church Catechism in Irish by heart with Scripture Proofs.
4. Irish Composition.

*Second Year.*

1. Translation of Epistles.
2. Irish Prayer Book, Evening Service and Litany.
3. Irish Composition.
4. Declamation in Irish (Extempore).

*Third Year.*

1. Historical Books of Irish Bible.
2. Irish Prayer Book, Occasional Prayers, &c., Holy Communion, and Baptismal Office.
3. Irish Composition.
4. Declamation in Irish.

*Fourth Year.*

1. Remaining Books of Irish Bible.
2. Irish Prayer Book, Marriage and Burial Offices and Psalms.
3. Irish Composition.
4. Declamation in Irish.

KYLE IRISH PRIZE.

A Prize for the encouragement of the Study of the Irish Language was founded in the University in 1852, in commemoration of the Right Rev. Samuel Kyle, Bishop of Cork, Cloyne, and Ross, and formerly Provost of Trinity College. The following are the Resolutions entered into by the Trustees of the Fund, and agreed to by the Provost and Senior Fellows:—

1. That the Funds collected shall be invested in Government securities, or Bank Stock, in the joint names of the Provost and Senior Fellows of Trinity College, the Professor of Irish, and the Dean and Archdeacon of Cork, all for the time being.

2. That the Endowment shall consist of one year's interest of the principal sum so invested.

3. The Kyle Irish Prize is to be competed for by Candidates in priority as follows:—(1) Diocese of Cork, Cloyne, and Ross, (2) Limerick, Ardfert, and Aghadoe; (3) Killaloe, Kilfenora, Clonfert, and Kilmacduagh; (4) Tuam, Killala, and Achonry; (5) Raphoe. Failing deserving Candidates from these Dioceses, Candidates are to be accepted from any other part of Ireland (Resolution of Board, June 25, 1904).

4. The Kyle Prize to be attainable only by Divinity Students, at an annual Examination in the Irish Language, held during their Divinity Course.

5. The Divinity Student so obtaining the Prize may again become a Candidate for it in the next succeeding year, but not oftener, nor can he hold it for more than two years.

6. The Candidates for Examination shall be examined in the Irish Grammar, the Four Gospels, the Acts of the Apostles, the Epistle to the Romans, 1st and 2nd Timothy, the Epistle to the Hebrews, and Composition.

7. In the event of there being, in any year, no Candidate for the Prize, or want of sufficient merit, the interest of the sum so invested in the Funds shall be added to the principal sum.

The fund invested produces annually about £11.

#### THE WILLIAM BROOKE EXHIBITION.

##### *(Greek Testament.)*

A sum of money having been subscribed in memory of the late Right Hon. William Brooke, the following resolutions were adopted at meetings of the "William Brooke Memorial Committee," held on the 1st and 8th of November, 1881, and on the 27th of February, 1882:—

"That an Exhibition for Students attending Divinity Lectures, preparatory to taking Orders in the Church of Ireland, shall be founded as a Memorial of the late Right Honourable William Brooke."

"That acquaintance with the Greek Testament shall be the qualification for such Exhibition, regard being also had to personal character, and insufficiency of private means."

The following Regulations were also adopted:—

1. The sum of £500, and such other sums as may be contributed for the purpose, shall be held by the Representative Body of the Church of Ireland for the use of the "William Brooke Exhibition."

2. The interest of this Fund shall be paid every year to an Exhibitioner elected by a Board, consisting of the Archbishop of Dublin, the Regius Professor of Divinity, and the Professor of Biblical Greek, all for the time being; two of whom shall form a quorum.

3. Candidates for this Exhibition shall satisfy the Board as to their good character, their intention to enter the Ministry of the Church of Ireland, and the insufficiency of their means to pay the expenses of a theological education.

4. In electing a Candidate so qualified, regard shall be had to his answering in the Greek Testament at the final Examination of the Junior Divinity Class, or at such other Examination as shall be appointed by the Board, who shall also have power to withhold the Exhibition if they shall not be satisfied with the qualifications or answering of the Candidates.

5. The Candidate so elected shall hold the Exhibition for one year on condition of his proceeding regularly with the Divinity Course during that year.



6. In the event of the interest for any year not having been wholly expended during that year, the Board shall place the unexpended portion to the credit of the capital of the Fund.

7. It shall be lawful for the General Synod of the Church of Ireland by Act duly passed, and also for the Board by Resolution, to vary the Regulations of the said Exhibition, as may from time to time appear expedient, in any manner consistent with the Resolutions adopted by the Committee at their meetings aforesaid: provided that any Resolutions passed by the Board for this purpose shall be presented to the General Synod at its first meeting after the passing of such Resolution.

The following Exhibitions are awarded without a Special Examination:—

#### BUTCHER EXHIBITIONS.

A sum of money having been subscribed in memory of the Most Rev. Samuel Butcher, D.D., late Bishop of Meath, the following plan for the application of the Fund was agreed to at a Meeting of the "Butcher Memorial Committee," held on 24th April, 1877, the Provost in the Chair, and adopted by the General Synod, April 26th, 1877:—

The interest on the money in the hands of the Representative Body to the credit of the above Fund (when it shall have reached the sum of £2500), and of such further sums as may be paid in to its credit as subscriptions, or unallocated interest (as hereinafter referred to), to be applied in providing Exhibitions in connexion with the Divinity School of the Church of Ireland, to be called the "BUTCHER EXHIBITIONS," under the following rules:—

1st. That the Exhibitions be awarded by a Board, consisting of the Archbishop of Dublin, for the time being; the Bishop of Meath, for the time being; and the Regius Professor of Divinity, for the time being; or (in the event of there being no Regius Professor of Divinity) the Professor who may discharge the duties now discharged by him; two of whom shall form a quorum.

2nd. That the Exhibitions be conferred on meritorious Divinity Students who purpose entering the ministry of the Church of Ireland, and who in consequence of their limited means may require assistance in completing their theological education, regard at the same time being had to their attainments and their general fitness for the ministry of the Church.

3rd. That these Exhibitions be conferred on Students who shall have completed their Junior Divinity year, and be tenable during their Senior year, on condition of their duly proceeding with their Divinity Course.

4th. That the Board determine the number and amount of the several Exhibitions, provided that the amount of any one shall not be more than £50 or less than £25.

5th. That in the event of there not being a sufficient number of deserving and qualified Candidates, or the entire interest on the Fund within any year not being expended, from any other cause, the Board be empowered to place the unapplied portion of the annual interest to the credit of the capital of the Fund.

6th. That the Exhibitions be paid quarterly, on 1st Oct., 1st Jan., 1st April, and 1st July, in each year, by an order on the Representative Body, signed by the Regius or other Professor of Divinity on the Board.

7th. That it be in the power of the General Synod, on the application of the Board, to vary the foregoing regulations as circumstances may require.

8th. That in the case of unavoidable absence, any member of the Board be empowered to appoint, by writing, a substitute to act for him.

#### DAUNT MEMORIAL EXHIBITIONS.

A sum of money having been subscribed in memory of the late Very Rev. Achilles Daunt, Dean of Cork, the following plan for the application of the fund was adopted at a Meeting of the Daunt Memorial Committee, held June 26, 1879, the Bishop of Cashel in the Chair, and approved by the General Synod of the Church of Ireland, April 27, 1880:—

1. That the Exhibitions be awarded by a Board, consisting of the Archbishop of Dublin, for the time being; the Regius Professor of Divinity, for the time being, or (in the event of there being no Regius Professor of Divinity) the Professor who may discharge the duties now discharged by him in connexion with the Divinity School; and the Incumbent of St. Matthias's Church, for the time being; two of whom shall form a quorum.
2. That the Exhibitions be conferred on meritorious Divinity Students who purpose entering the ministry of the Church of Ireland, and who, in consequence of their limited means, may require assistance in completing their theological education, regard at the same time being had to their attainments and their general fitness for the ministry of the Church.
3. That these Exhibitions be conferred on students who shall have commenced their Junior Divinity year, and be tenable during the Junior year, on condition of their duly proceeding with their Divinity Course.
4. That the Board determine the number and amounts of the several Exhibitions, provided that the amount of any one shall not be more than £40 or less than £20.
5. That in the event of there not being a sufficient number of deserving and qualified candidates, or the entire interest on the fund within any year not being expended from any other cause, the Board be empowered to place the unapplied portion of the annual interest to the credit of the capital of the fund.
6. That the Exhibitions be paid quarterly, on 1st October, 1st January, 1st April, and 1st July in each year, by an order on the Representative Body, signed by the Regius or other Professor of Divinity on the Board.
7. That it be in the power of the General Synod, on the application of the Board, to vary the foregoing regulations as circumstances may require.
8. That in the case of unavoidable absence, any member of the Board be empowered to appoint, by writing, a substitute to act for him.

The Regius Professor of Divinity receives applications for the Daunt and Butcher Exhibitions in the first week of Divinity Lectures of Michaelmas Term.

## SALMON EXHIBITION.

This Exhibition, of the value of £20, being the interest on a sum of £500 left in the hands of the Representative Church Body by the late Rev. George Salmon, D.D., sometime Regius Professor of Divinity, and afterwards Provost of Trinity College, to be applied "as the interests of the Divinity School may require," is awarded annually in Michaelmas Term on the same conditions as the Daunt Memorial Exhibitions. The "Salmon Exhibition" is awarded by a Board consisting of the Archbishop of Dublin, the Provost of Trinity College (if a Member of the Church of Ireland, or, failing him, the Senior of the Fellows who is a Member of that Church), the Regius Professor of Divinity, and Archbishop King's Professor of Divinity, the Archbishop of Dublin having a casting vote in case of an equality of votes.

## CARSON MEMORIAL EXHIBITION.

In Michaelmas Term, 1898, a sum of £180 Bank of Ireland Stock, equivalent to about £700 cash, was given by Miss Frances Anna Carson to found an Exhibition in the Divinity School, in memory of her father, the late Rev. Joseph Carson, D.D., Vice-Provost of Trinity College. The sum yields annually about £20.

The following Regulations were suggested by the donor, and have been adopted by the Provost and Senior Fellows:--

1. The Exhibition shall be called the Carson Memorial Exhibition.
2. It shall be awarded annually by a Board consisting of the Provost, the Regius Professor of Divinity, and Archbishop King's Professor.
3. This Board shall, in Michaelmas Term, elect as Exhibitioner a Student who, in that Term, shall have entered the Senior Divinity Class and shall declare his intention of offering himself for the ministry of the Church of Ireland or some Church in communion therewith.
4. In electing, the Board shall have regard to the character, ability, attainments, and general promise of fitness for the sacred office, of such Student, as well as to his need of pecuniary assistance.
5. The Exhibitioner is entitled to receive in December the dividend of the preceding August, on his producing a certificate from the Regius Professor, that he has satisfied the requirements of the School to the end of Michaelmas Term; and the February dividend in June, on production of a similar certificate for Trinity Term.
6. The Exhibitioner shall be required, on election, to promise that he will not receive Holy Orders until he shall have obtained the Divinity Testimonium.



## WALLACE EXHIBITION.

In Trinity Term, 1899, the Rev. William Wallace, D.D., Litt.D., gave to the College a sum of £500 to found an Exhibition in the Divinity School.

The following Regulations have been adopted by the Provost and Senior Fellows:—

1. The Exhibition shall be called the Wallace Exhibition.
2. It shall be awarded annually by a Board consisting of the Provost, the Regius Professor of Divinity, and Archbishop King's Professor, provided always, that if the Provost for the time being be not a member of the Church of Ireland, the Senior of the Fellows who is such shall take his place on the electing Board, it being the intention of the Donor that the Board shall always consist of Members of the Church of Ireland.
3. The remaining Regulations shall correspond with those in force for the Carson Memorial Exhibition.

The Fund given by Dr. Wallace produces annually about £13.

## BELSHAW SCHOLARSHIPS.

In the year 1911 Mr. Robert Redman Belshaw founded four Scholarships to be awarded, one each year, if suitable candidates present themselves. A Candidate must be a Student in the Divinity School and a Student in Arts of Trinity College, Dublin. He must also have offered himself to, and have been accepted by, the Church Missionary Society as a fit person to be trained to become a Missionary of the Gospel in Foreign Parts. The Scholarships are to be called, The Belshaw, The Beddy, The John Jacob, and The Christian Jacob, respectively. Each Scholarship is of the annual value of £40, and is held for two or three years as the Trustees may direct. The Scholarship is awarded to the best answerer amongst the suitable Candidates at an examination to be held not oftener than once a year. Candidates should send their names and lists of qualifications to Archbishop King's Professor of Divinity as soon as possible after the beginning of the Academic Year in October. Women intending to be Missionaries, and provisionally accepted as such, are eligible for these Scholarships provided they are Students in the Divinity School.



## ARRANGEMENTS FOR 1919-20.

## I.—Lectures.

	Begin	End
MICHAELMAS TERM, 1920 :—		
<i>Senior Class</i> , .	Fri., Oct. 22,	Tues., Dec. 14.
<i>Junior</i> ,, .	Thurs., Oct. 21,	Mon., Dec. 13.
Hebrew, .	Thurs., Nov. 4,	Tues., Dec. 14.
Pastoral Theology, Sat.,	Oct. 30,	Sat., Dec. 4.

## HILARY TERM, 1921 :—

<i>Senior Class</i> , .	Fri., Jan. 21,	Tues., Mar. 15.
<i>Junior</i> ,, .	Mon., Jan. 24,	Thurs., Mar. 17.
Hebrew, .	Tues., Feb. 2,	Tues., Mar. 15.
Pastoral Theology, Sat.,	Jan. 29,	Sat., Mar. 5.

## TRINITY TERM, 1921 :—

<i>Senior Class</i> , .	Fri., April 22,	Tues., June 14.
<i>Junior</i> ,, .	Thurs., April 21,	Thurs., June 16.
Hebrew, .	Tues., May 10,	Tues., June 14.
Pastoral Theology, Sat.,	April 30,	Sat., June 4.

## MICHAELMAS TERM, 1921 :—

<i>Senior Class</i> , .	Fri., Oct. 21,	Tues., Dec. 13.
<i>Junior</i> ,, .	Thurs., Oct. 20,	Mon., Dec. 12.
Hebrew, .	Thurs., Nov. 3,	Thurs., Dec. 15.
Pastoral Theology, Sat.,	Oct. 29,	Sat., Dec. 2.

## II.—Ordinary Examinations.

## MICHAELMAS TERM, 1920 :—

<i>Senior Class</i> (1st Supplemental), .	Tues., Oct. 19.
,, ,, (2nd ,, ), .	Wed., Dec. 15.
<i>Junior</i> ,, (1st ,, ), .	Mon., Oct. 18.
,, ,, (2nd ,, ), .	Tues., Dec. 14.

## HILARY TERM, 1921 :—

<i>Senior Class</i> (Supplemental), .	Wed., Mar. 16.
<i>Junior</i> ,, ,, .	Fri., Mar. 18.

## TRINITY TERM, 1921 :—

<i>Senior Class</i> (Final), .	Wed., June 15
<i>Junior</i> ,, (General), .	Fri., June 17.

## MICHAELMAS TERM, 1921 :—

<i>Senior Class</i> (1st Supplemental), .	Tues., Oct. 18.
,, ,, (2nd ,, ), .	Wed., Dec. 14.
<i>Junior</i> ,, (1st Supplemental), .	Mon., Oct. 17.
,, ,, (2nd ,, ), .	Tues., Dec. 13.

**III.—Entrance Examinations.**

- MICHAELMAS TERM, 1920, Wed., October 20.  
 HILARY TERM, 1921, . Sat., January 22.  
 TRINITY TERM, 1921, . Wed., April 20.  
 MICHAELMAS TERM, 1921, Wed., October 19.

**IV.—Exhibition and Prize Examinations.**

- MICHAELMAS TERM, 1920, Archbishop King's Prizes and Bishop Forster's Premiums, Wed., Oct. 20.
- HILARY TERM, 1921, . Carson and Toplady Prizes, Tues., Feb. 15.  
 Theological Exhibitions, Tues., Wed., and Thurs., March 1, 2, 3.
- TRINITY TERM, 1921, . Biblical Greek Prizes.  
 . . Ecclesiastical History Prizes.  
 Dr. Downes' Premiums:—Written Essay, Wed., May 11; Extempore Speaking, Wed., May 18; Reading the Liturgy, Wed., May 25, Wed., June 1.  
 Wall Biblical Scholarship.  
 Hebrew Premiums.
- MICHAELMAS TERM, 1921, Archbishop King's Prizes and Bishop Forster's Premiums, Wed., Oct. 19.

## LAW SCHOOL.

THE Law School of the University of Dublin is under the control of the Provost and Senior Fellows of Trinity College, who, however, act in concurrence with the Benchers of the King's Inns.

The Lectures delivered in the Law School of the University, taken along with those delivered at the King's Inns, constitute a complete Course of instruction in Theoretical, Scientific, and Practical Law.

Students joining the Law School are requested to enter their names with the Registrar of the School at the beginning of Michaelmas Term. Certificates for attendance at Lectures (Ordinary or Honor), or for passing examinations, and recognition of professional privileges, will be granted to Registered Students only. Solicitors' Apprentices who are not Students of Trinity College are required to pay a fee of £3 3s. to the Junior Bursar before presenting themselves at an examination.

The staff of the Law School consists of the following:—

The Regius Professor of Laws.<sup>a</sup>

The Regius Professor of Feudal and English Law.

The Professor of Civil Law and General Jurisprudence.

The Reid Professor of Constitutional and Criminal Law.

The Reader in Indian Law.

## REGULATIONS.

*Regius Professor of Laws.*

The Regius Professor of Laws lectures on *Jurisprudence and International Law* on Wednesdays and Saturdays at 10 o'clock, a.m., and is bound to deliver not less than twelve Lectures in each of the three College Terms.

The Subjects of the Lectures are as follows:—

## MICHAELMAS TERM.

The elements of Analytical Jurisprudence.

## HILARY TERM.

The nature, source, and development of International Law. The rights and duties of States in time of peace.

## TRINITY TERM.

International Disputes. The Law of War. The Law of Neutrality.

<sup>a</sup> The Professorship, in the Statutes of Charles I. is described as the Profession of Jurisprudence, and the Professor, in the Letters Patent of Charles II. is styled, "Our Professor of the Laws." In the Decrees of the Board and Visitors, the title generally used is that of the Professor of Civil Law. The above is the style adopted by the Professor in his official acts.

*Regius Professor of Feudal and English Law.*

The Regius Professor of Feudal and English Law lectures (on Wednesdays and Saturdays at 9 o'clock, a.m.) on *The Law of Property*, and is bound to deliver not less than twelve Lectures in each of the three College Terms.

The Subjects of the Lectures are as follows:—

MICHAELMAS TERM. The origin and development of the law of Real Property. Tenure and Estates. Freehold and Leasehold Interests, Uses and Trusts.

HILARY TERM. Future Interests. Co-Ownership. Mortgages. The Transfer of Ownership inter vivos and on death.

TRINITY TERM. Involuntary Alienation. Incorporeal Hereditaments (including Easements). The Irish Land Acts and Land Purchase Acts.

[The following text-books may be referred to as dealing with the matters discussed in the Lectures: Williams, *Real Property*; Strahan and Baxter, *General View of the Law of Property*; Goodeve, *Modern Law of Real Property*.]

*Professor of Civil Law and General Jurisprudence.*

The Professor of Civil Law and General Jurisprudence lectures in each of the three College Terms on Tuesdays and Fridays at 9 o'clock, a.m.

The Subject is *Roman Law*, and the Book used will be:—

The Institutes of Justinian (Moyle's Edition).

*Reid Professor of Constitutional and Criminal Law.*

The Reid Professor lectures during the year on the following subjects:—

MICHAELMAS TERM. The Principles of Criminal Law.

HILARY TERM. Constitutional Law.

TRINITY TERM. The Law of Evidence.

The Reid Professor lectures on Mondays and Thursdays at 9 o'clock, a.m., and twelve Lectures are delivered in each Term. He is bound to publish in each year six of these Lectures. The Lectures on Penal Legislation are open to the public. A fee of One Guinea a Term is payable by other Students (not being Students of Trinity College or the King's Inns) who attend the second and third Courses of Lectures.



*Reader in Indian Law.*

The Reader in Indian Law lectures selected Candidates for the Indian Civil Service.

The Ordinary Law Lectures are open to Students and to the Public, save as above mentioned, without payment, and no Fee is required from Students of the King's Inns beyond that already paid by them on admission into that Society.

*Honor Lectures.*

*Honor Lectures* are delivered on the Law subjects of the Honor, Prize, and Moderatorship Courses by the Professors of the Law School: see under LEGAL AND POLITICAL SCIENCE for Courses.

These Lectures are as follows:—

## JUNIOR SOPHISTERS.

*Michaelmas Term.*

*Jurisprudence.		Constitutional History.
*Roman Law.		

*Hilary Term.*

*Roman Law.		*Constitutional Law.
*International Law.		

*Trinity Term.*

*Roman Law.		Law of Contract.
*International Law.		

Lectures marked thus \* are intended to supplement the ordinary Lectures on the given subject.

## SENIOR SOPHISTERS.

*Michaelmas Term.*

Historical Jurisprudence.		Law of Torts.
Equity.		

*Hilary Term.*

Equity.		Common Law.
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*Trinity Term.*

Private International Law.		Legal History.
Equity and Real Property Cases.		

Lectures on Economics, Political Science, and Economic History are also available for Junior and Senior Sophisters.

It is the duty of each Professor to attend the Examination in person while the Students are engaged upon his Paper. In case he is unable so to attend, he is bound to give notice thereof to the Registrar of the Law School. On receiving such notice, the Registrar is required to provide a substitute from among the Fellows and Professors, whose duty it is to keep the Hall during such Examination.

The Professors are bound at the end of Michaelmas and Hilary Terms to furnish to the Senior Lecturer a List of all Students having their names on the College Books, and of all King's Inns Students who have credit for the Term. At the end of Trinity Term they are bound to furnish to the Senior Lecturer a List of all Students having their names on the College Books, and of all King's Inns Students who have credit for the Term, as well as of those who have obtained Academic credit for the year.

#### KEEPING OF TERMS.

A Term is kept by attendance at three-fourths of the Lectures, and by passing the Examination held at the end of the Term.

A General Examination is held by each Professor in Trinity Term at the end of the Academic year.

To obtain Academic credit for the year with any Professor, Students must keep three consecutive Terms, commencing with Michaelmas Term, and pass the General Examination held at the close of Trinity Term.

Any Student who fails to pass a Term Examination may, with the permission of the Examiner, present himself at a Supplemental Examination to be held in the following Term.

For any Supplemental Examination a fee of £1 1s. must be paid to the Junior Bursar before the Examination.

To obtain the certificate required by the Benchers, the answering at a Term Examination must not fall below 30 per cent. with any Examiner, and at a General Examination an average of 40 per cent. with two Examiners is required, and the answering must not fall below 35 per cent. with either.

Students are *classed* at the Term Examinations if their answering reaches 50 per cent., and at the General Examination if it reaches 60 per cent.

#### LAW PREMIUMS.

At the end of Trinity Term Prizes amounting to £45 may be awarded by the Professors at their discretion to the best answerers among the Students whose names are on the College Books, and who have obtained Academic credit for the year. The merits of the Candidates will be determined by the aggregate of marks obtained by them at the three Examinations which follow, respectively, the Michaelmas, Hilary, and Trinity Courses of Lectures.

## DUTIES OF THE REGISTRAR OF THE LAW SCHOOL.

It shall be the duty of the Registrar of the Law School to copy the Lists furnished by the Professors to the Senior Lecturer into separate Books, to be provided for that purpose.

It shall be the duty of the Registrar of the Law School to give to all Students, including those of the King's Inns, such certificates of attendance as they may be entitled to and may require.

The Registrar of the Law School shall be authorised to issue Certificates of Attendance on the lectures of the Professors of the Law School by Solicitors' Apprentices who are not Students of Trinity College, on condition that for each year of such attendance, a fee of £3 3s. shall be paid to the Junior Bursar, Trinity College, by every such apprentice who requires a Certificate.

## REGULATIONS of the University with regard to Degrees in Law.

The Regius Professor of Laws is Moderator in all disputations for Degrees in Law, and presents the Candidates for those Degrees at the Commencements.

The Degrees are Bachelor and Doctor *in utroque Jure*,

1. *Bachelor in Laws (LL.B.).*

A *Bachelor in Laws* must have taken the Degree of Bachelor in Arts or the Degree of Master in Arts of the University of Dublin (unless he seek the degree *ad eundem* as an LL.B. of Cambridge, or a B.C.L. of Oxford; see page 15). He must also have passed the following Examinations:—

1. The Intermediate Examination in Law.
2. The Final Examination for the Degree of LL.B.

2. *The Intermediate Examination in Law.*

Candidates may present themselves at this Examination if they have kept one term *by examination* in the Junior Sophister year.

The subjects of examination and the marks assigned to each subject shall be as follows:—

1. Jurisprudence—100 marks.  
[Holland, Elements of Jurisprudence.  
Markby, Elements of Law.  
Maine, Ancient Law (edited Pollock).]
2. International Law—100 marks.  
[Lawrence, Principles of International Law.  
Hall, International Law.  
Pitt Cobbett, Leading Cases in International Law.]
3. Roman Law—150 marks.  
[“The Institutes” of Justinian, edited by J. B. Moyle.]
4. Constitutional Law and History—150 marks.  
[Dicey, Introduction to the Study of the Law of the Constitution (6th or later Edition).  
Anson, Law and Custom of the Constitution.  
Thomas, Leading Cases in Constitutional Law.]

### 3. *The Final Examination for the Degree of LL.B.*

Candidates who have passed the Intermediate Examination in Law may present themselves at this examination, provided that they are in a position to present themselves for the examination for the Degree of B.A., or have already passed the Examination for the Degree of B.A.

The subjects of examination and the marks assigned to each subject shall be as follows :—

1. The Law of Property (Real and Personal)—250 marks.  
[Strahan, General View of the Law of Property.  
Williams, Law of Real Property.  
Goodeve, Law of Real Property.]
2. The Law of Obligations—200 marks.  
[Anson, Principles of the English Law of Contract.  
Pollock, The Law of Torts.]
3. Equity—150 marks.  
[Strahan and Kenrick, Digest of Equity ;  
H. A. Smith, Principles of Equity.]
4. Criminal Law—75 marks.  
[Kenny, Outlines of Criminal Law.]
5. The Law of Evidence—75 marks.  
[Stephen, Digest of the Law of Evidence.]

Candidates who have credit for attendance on the Lectures of the Reader in Dutch-Roman Law, or who have obtained special permission, may substitute for 1. “The Law of Property (Real and Personal)” the following subject :—

1. (a) Roman-Dutch Law, . . . . . 250 marks.  
[Van der Linden, Institutes of the Law of Holland ;  
Grotius, Introduction to Dutch Jurisprudence ;  
Van der Kessel, Theses Selectae ;  
Van Leeuwen, Commentaries on Roman-Dutch Law.]

Such Candidates may, further, substitute for 3. “Equity” the following subject :—

3. (a) Roman and Roman-Dutch Law, Special Course, 150 marks.  
Justinian, Digest, Lib. 46, Titles 1, 2.  
Voet, Ad Pandectas, Lib. 46, Titles 1, 2.

Candidates selected for the Civil Service of India, or engaged in that service, or persons who have credit for attendance on the lectures of the Reader in Indian Law, or who have obtained special



permission, may substitute for—1. “The Law of Property (Real and Personal)” the following subject:—

1. (a) Hindu and Muhammadan Law, 250 marks.

[Mayne, Hindu Law and Usage;  
Sir R. K. Wilson, Digest of Anglo-Muhammadan Law.]

Such Candidates may, further, substitute for—4. “Criminal Law” the following subject:—

4. (a) Indian Criminal Law and Procedure, 75 marks.

[Indian Penal Code;  
The Code of Criminal Procedure.]

And for—5. “The Law of Evidence” the following subject:—

5. (a) The Indian Evidence Act, 75 marks.

Text-books given in brackets are intended to indicate approximately the general knowledge required of Candidates under each head.

Candidates for either the Intermediate Examination or the Final Examination are required to give fourteen days' notice to the Registrar of the Law School, and to pay to the Senior Proctor at the same time an examination fee of £2 2s. Fees so paid will be allowed, up to the amount of £6 6s., in part payment for the Degree fee of £11 15s.

Graduates of Oxford or Cambridge must pay the fees necessary for the Degree *ad eundem* which they propose to take previous to presenting themselves at the Examination for the Degree of LL.B. or LL.D. (See p. 15.)

## II.—*Doctor in Laws (LL.D.).*

A Doctor in Laws must be a B.A. of three years' standing in either Dublin, Oxford, or Cambridge; and must have taken the LL.B. degree either by examination or *ad eundem* as an LL.B. of Cambridge, or as a B.C.L. of Oxford (see p. 15). Fee, £11 15s. Furthermore, the examination for the degree of LL.B. in Dublin, or Cambridge, or that for the B.C.L. in Oxford, must have been passed at least one year previously; though in special cases the Board may relax this rule. The fee for the Degree of LL.D. is £22.

Candidates may qualify themselves to obtain the Degree in one of three ways—

- (1). By passing an Examination.

(2). By presenting an unpublished Thesis on a subject connected with legal or political studies, of merit sufficient, in the judgment of the Examiners, to entitle the candidate to the Degree. The Examiners have power, if they consider it necessary, to examine the candidate on the subject-matter of his Thesis, as well as on subjects connected therewith.

A candidate who adopts this method is required to notify to the Registrar of the Law School, for the consideration of the Professors, not later than six months before Commencements, the subject on which he proposes to submit a Thesis. He will then be informed whether in the opinion of the Professors the subject proposed is suitable. Three printed or type-written copies of the Thesis must be sent to the Registrar of the Law School at least two months before the day of Commencements, and at the same time the candidate must lodge with the Bursar the sum of £5, to be paid to an Extern Examiner appointed by the Board, who, together with such one of the Law Professors as the Board shall appoint for that purpose, shall report to the Board on the merits of the Thesis. Should the Degree be granted, the sum so paid will be allowed in part payment to the Senior Proctor of the Degree Fee of £22.

(3). By submitting original published work of merit sufficient, in the judgment of the Law Professors, to entitle the candidate to the Degree. The Professors have power, if they consider it necessary, to question the Author personally on his work, as well as on cognate subjects. Such candidates should communicate with the Registrar of the Law School at least three months before the day of Commencements.

The work of candidates for the Degree of LL.D., other than those who take the Degree by examination, must show evidence of independent inquiry, and must either contain some substantial addition to knowledge, or present a fresh interpretation of materials already used.

The Subjects of Examination, and the marks allotted to each, are as follows:—

1. Roman Law.—100 marks.

- (a) Candidates will be examined in the Principles and History of Roman Law.
- (b) A special paper will be set on a prescribed Title of the Digest. Until further notice, the prescribed Title of the Digest will be: Book XVII., Title 1 (Mandati vel contra). In and after December, 1919, until further notice, the prescribed Title of the Digest will be: Book XIX., Title 2 (Locati Conducti).

2. English Law—General Paper.—100 marks.

A general paper will be set, intended to test the Candidate's knowledge of the several branches of English Law comprised in the Course for the LL.B. Examination.

3. English Law.—100 marks.

- (a) The Law of Trusts (omitting the Law of Charitable Trusts).
- (b) Actionable Misrepresentation and Fraud.

## 4. Jurisprudence, Theoretical and Historical.—100 marks.

[Holland, Elements of Jurisprudence.  
 Markby, Elements of Law.  
 Hoimes, The Common Law.  
 Maine, Early History of Institutions.]

## 5. International Law (including Private International Law).—100 marks.

- (a) The Treatment of Commerce in War.  
 (b) The Law of Foreign Corporations.

## 6. Theory of Legislation.—100 marks.

[Bentham, Theory of Legislation.  
 Sidgwick, Elements of Politics, chaps. iii.—xiii.  
 M'Kechnie, State and Individual, Part 2.  
 Dicey, Law and Public Opinion in England.]

## 7. Legal History.—100 marks.

[Digby, History of the Law of Real Property.  
 Holdsworth, History of English Law, vol. i.  
 Pollock and Maitland, History of English Law. Book I.,  
 Book II., chaps. i., iv., ix.  
 Jenks, History of English Law.]

## 8. Public Administration.—100 marks.

[Goodnow, Comparative Administrative Law.  
 P. Ashley, Local and Central Government.  
 Wright and Hobhouse, Local Government and Taxation.]

*Nos. (1), (2), and (3) are compulsory: but every Candidate must in addition answer in two of the five remaining subjects.*

Candidates must send to the Registrar of the Law School notice of the subjects which they select one month before the examination, and must, at the same time, pay to the Senior Proctor the fee of £4, charged for each entry for the examination. These fees are allowed, up to the amount of £8, in part payment to the Senior Proctor of the Degree Fee of £22.

Text-books given in brackets are intended to indicate approximately the general knowledge required of candidates under each head.

At the Examination for the Degrees of LL.D. and LL.B., and the Intermediate Examination in Law, Candidates who have obtained 50 per cent. of the aggregate marks, and who have satisfied the Examiners in the several subjects of examination, are arranged in two classes. The usual standard for first Class is 65 per cent. for LL.D. and LL.B. Examinations, and 60 per cent. for the Intermediate Examination in Law. In each

class the names are arranged in order of merit. Those of the remaining candidates who have obtained 40 per cent. of the aggregate marks and not less than 30 per cent. in each subject are allowed the examination, and arranged in alphabetical order as unclassified candidates.

Specimens of Papers set at recent examinations in Law may be obtained on application to the Registrar of the Law School.

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Students desiring information with regard to the Regulations of King's Inns, or the London Inns, should apply in the former case to the Under Treasurer, King's Inns, Dublin, and in the latter case to the Clerk of the Council of Legal Education, Lincoln's Inn, London.

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#### DAYS OF EXAMINATION AND COMMENCEMENTS.

Examinations for the Degrees of LL.B. and LL.D. and the Intermediate Examination in Law will commence on Tuesday, November 30, 1920, and Tuesday, June 7, Tuesday, November 29, 1921.

Term Examinations will be held as follows :—

MICHAELMAS TERM, 1920.	{	Criminal Law, Saturday, November 27.
	{	Feudal and English Law, Wednesday, Nov. 24.
	{	Civil Law, Friday, November 26.
	{	Jurisprudence, Thursday, November 25.
HILARY TERM, 1921.	{	Constitutional Law, Thursday, February 24.
	{	Civil Law, Saturday, February 26.
	{	Feudal and English Law, Friday, February 25.
	{	International Law, Wednesday, February 23.
TRINITY TERM, 1921.	{	Constitutional and Criminal Law, Saturday, June 4.
	{	Civil Law, Thursday, June 2.
	{	Feudal and English Law, Wednesday, June 1.
	{	International Law, Friday, June 3.
MICHAELMAS TERM, 1921	{	Criminal Law, Saturday, November 26.
	{	Feudal and English Law, Wednesday, Nov. 23.
	{	Civil Law, Friday, November 25.
	{	Jurisprudence, Thursday, November 24.

Degrees will be conferred on December 18, 1920, and February 8, April 19, June 30, and December 20, 1921.



# SCHOOL OF PHYSIC.

## REGULATIONS OF THE SCHOOL OF PHYSIC.

THE School of Physic in the University of Dublin consists of the following Staff for 1920-21:—

*Regius Professor of Physic.*—John Mallet Purser, M.D., Sc.D.

*Regius Professor of Surgery.*—Edward Henry Taylor, M.D.

*University Professor of Anatomy and Chirurgery.*—Andrew Francis Dixon, M.B., Sc.D.

*University Professor of Chemistry.*—Sydney Young, Sc.D., F.R.S.

*University Professor of Botany.*—Henry H. Dixon, Sc.D., F.R.S.

*Erasmus Smith's Professor of Natural Philosophy.*—William E. Thrift, M.A., F.T.C.D.

*Professor of Surgery.*—Thomas Eagleson Gordon, M.B.

*University Anatomist.*—Edward Henry Taylor, M.D.

*Professor of Zoology and Comparative Anatomy.*—H. W. Mackintosh, M.A.

*Professor of Bacteriology.*—Adrian Stokes, M.D.

*King's Professor of Practice of Medicine.*—James Craig, M.D.

*King's Professor of Materia Medica and Pharmacy.*—Walter G. Smith, M.D.

*King's Professor of Institutes of Medicine [Physiology].*—Harold Pringle, M.D.

*King's Professor of Midwifery.*—T. Henry Wilson, F.R.C.P.I.

*Lecturer in Medical Jurisprudence and Hygiene.*—Henry T. Bewley, M.D.

*Lecturer in Pathology.*—Alexander C. O'Sullivan, M.D., S.F.T.C.D.

*Honorary Professor in Laryngology and Otology.*—Sir Robert Henry Woods, M.B., M.Ch.

*Honorary Professor of Dermatology.*—Wallace Beatty, M.D.

*Lecturer in Organic Chemistry.*—Professor Emil A. Werner, Sc.D.

*Lecturer in Applied Anatomy.*—A. A. M'Connell, M.B.

*Lecturers in Dental Surgery and Pathology.*—A. W. W. Baker, M.D., M. Dent. Sc.; [Vacant.]

*Lecturer in Dental Mechanics.*—Joseph Cockburn, L.D.S.

*Lecturer in Orthodontia.*—E. Sheldon Friel, M. Dent. Sc.

*Lecturer in Anæsthetics.*—T. Percy C. Kirkpatrick, M.D.

*Examiner in Clinical Surgery.*—Sir C. Arthur K. Ball, Bart., M.D.

*Examiner in Ophthalmic Surgery.*—L. Werner, M.B.

*Examiner in Midwifery.*—Gibbon FitzGibbon, M.D.

*Examiners in Medicine.*—H. L. M'Kisack, M.D.; T. G. Moorhead, M.D.

*Examiner in Vital Statistics.*—N. McI. Falkiner, M.D.

*Examiner in Sanitary Engineering.*—P. C. Cowan, Sc.D.

*Examiner in Mental Diseases.*—J. O'C. Donelan, L.R.C.P. & S.I.

*Examiner in Pathology.*—Professor W. St. Clair Symmers, M.B.

*Examiner in Anatomy.*—Professor J. K. Jamieson, M.D.

*Examiner in Institutes of Medicine.*—Professor Thomas H. Milroy.

*Examiner in Medical Jurisprudence and Hygiene.*—F. E. Rainsford, M.D.

*Examiner in Materia Medica and Therapeutics.*—George Peacocke, M.D.

*Examiner in Dental Surgery and Pathology.*—George P. Moore, M.D.

*Curator of Museum of Zoology and Comparative Anatomy.*—Henry W. Mackintosh, M.A.

*Curator of Pathological Museum.*—Thomas Eagleson Gordon, M.B.

*Curator of Materia Medica Museum.*—Walter G. Smith, M.D.

*Assistant to Professor of Chemistry.*—W. C. Ramsden, F.C.S.

*Assistant to Professor of Institutes of Medicine.*—William R. Fearon, Sc.D.

*Assistants to Lecturer in Pathology.*—J. T. Wigham, M.D.; V. M. Syngé, M.D.

*Demonstrator in Röntgen Photography.*—William G. Harvey, M.D.

*Assistant to Professor of Botany.*—W. R. G. Atkins, M.A., Sc.D., with Demonstrators.

*Assistant to Professor of Surgery.*—William Pearson, M.D.

*Registrar of the School of Physic.*—A. C. O'Sullivan, M.D., S.F.T.C.D.

*Assistant Registrar.*—George L. Allen.

#### REGISTRAR'S OFFICE.

The Office will be open during the Medical year from 10 A.M. to 1 P.M., and from 2 to 4 P.M. daily, except on Saturdays. The Office is closed during the Christmas and Easter Vacations, and for the Summer Vacation about 12th July.

#### MATRICULATION.

Students cannot be permitted to enter for or attend any of the Courses of Instruction in the School of Physic until they have Matriculated by paying the Matriculation Fee of Five Shillings. It is not necessary for Students to have their names on the College Books, or to attend any of the Academical duties of the University, unconnected with the School of Physic, unless they desire to obtain the Degrees or Licenses in Medicine, Surgery and Midwifery, or a Degree in Dental Science of the University of Dublin.

Students may matriculate at the commencement of either the Winter or the Summer Session. The Winter Session commences on October 1st, 1920, and the Summer Session on April 11th, 1921.

## WOMEN STUDENTS.

Women Students are admitted to the Degrees and Diplomas in Medicine, Surgery, and Midwifery, on the same conditions as men, except that they are not permitted to study Anatomy or Physiology or to attend Hospital until they have reached the age of 18 years. A special Anatomical Department, with dissecting-room and reading-room, is provided for their accommodation.

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## WINTER SESSION, 1920-1921.

The Winter Session commences on the 1st October by the opening of the Dissecting-rooms, and terminates on the 12th March. Lectures commence on the 11th October.

*Students in each year, including the final years, are required to enter their names and addresses at the Office of the Registrar of the School of Physic at the beginning of the Winter Session. Students who fail to observe this rule, and permit their names to go off the books of the Medical School, are required to pay a re-entry fee of five shillings.*

## LECTURES AND PRACTICAL INSTRUCTION.

*Mechanics.*—Lectures for Freshman First Year Medical Students (see page 253).

*Physics.*—Professor Thrift, at 1 o'clock, on Mondays, Wednesdays, and Fridays.

*Chemistry.*—Professor Young, at 1 o'clock, on Tuesdays and Thursdays, and at 11 o'clock on Saturdays.

*Practical Chemistry.*—Professor Young, at 10 o'clock, on Saturdays.

*Organic Chemistry* (Second Year Students).—Professor Werner, at 11 o'clock, on Mondays and Fridays during October, November, and December.

*Chemistry for Diploma in Public Health*, see page 264.

*Systematic Anatomy.*—Professor A. F. Dixon, at 9 o'clock, on Mondays, Wednesdays, and Fridays.

*Descriptive Anatomy* (1st year).—Professor A. F. Dixon, at 9 o'clock on Tuesdays and Thursdays.

*Descriptive Anatomy* (2nd year).—Professor A. F. Dixon, at 12 o'clock on Tuesdays, Wednesdays, and Thursdays.

*Physiology* (Junior Class).—Professor Pringle and Dr. W. R. Fearon, at 11 o'clock on Tuesdays, Wednesdays, and Thursdays.

*Physiology* (Senior Class).—Professor Pringle, at 12 o'clock, on Mondays and Fridays.

*Surgery*.—Professor Gordon, at 12 o'clock, on Tuesdays, Thursdays, and Saturdays.

*Applied Anatomy*.—Professor A. F. Dixon and Mr. A. A. McConnell, at 2 o'clock, on Mondays, Wednesdays, and Fridays.

*Practice of Medicine*.—Professor Craig, at 1 o'clock, on Tuesdays, Thursdays, and Saturdays.

*Midwifery*.—Professor Wilson, at 1 o'clock, on Mondays, Wednesdays, and Fridays.

*Pathology*.—Dr. O'Sullivan, at 2 o'clock on Tuesdays and Thursdays, and at 11 o'clock on Saturdays.

*Bacteriology and Pathology for Diploma in Public Health*, see special prospectus.

*Practical Physiology* (Division I.).—Professor Pringle and Assistants, 2 to 4 o'clock, on Mondays and Fridays.

*Practical Physiology* (Division II.).—Professor Pringle and Assistants, 2 to 4 o'clock, on Tuesdays and Thursdays.

*Dissections*.—Six months are required, from October to March inclusive.

Christmas Vacation commences on 20th December, and terminates on 8th January.

#### DEPARTMENT OF ANATOMY.

*During the Winter Session*.—Students in their first year attend Lectures in Anatomy at 9 o'clock daily; Students in their second year attend Lectures on Tuesdays, Wednesdays, and Thursdays, at 12 o'clock; and Students in their third year attend Lectures on Mondays, Wednesdays, and Fridays, at 2 o'clock. The Lectures of the third year are on Applied Anatomy, and are undertaken mainly by Mr. A. A. McConnell.

The Dissecting-room is subject to the following Rules, ordered by the Board:—

I. The Official Hours for Dissections are from 10 A.M. to 5 P.M., during which time assistance and instruction are afforded to Students dissecting.

II. Students are allowed to dissect before 10 A.M., if they please, and, to facilitate such Dissections, the Gate leading into the College Park shall be opened at 7 o'clock, A.M., except during December and January, when it shall be opened at 8 o'clock. (Demonstrators attend from 10 A.M. to 5 P.M.)

III. The Professor of Anatomy shall attend at the Anatomical School during two hours each day, including the hour of Lecture.

IV. One or more of the Demonstrators shall attend during Official Hours for Dissections.



During the Summer Session the Dissecting-room will be open from 8 o'clock, A.M., to 5 o'clock, P.M. Demonstrations on Topographical Anatomy will be given twice daily.

A Special Class in Embryology is held for Students who are preparing for Moderatorship.

#### DEPARTMENT OF CHEMISTRY.

The Class attending the Professor's Winter Lectures work in the Chemical Laboratory on each Saturday morning at 10 o'clock.

The practical work includes the Preparation of Gases and other Inorganic Substances and Qualitative Analysis.

Students are provided with full sets of Apparatus and Tests.

Students requiring Laboratory Practice in special branches of Chemistry are admitted for either one, three, six, or nine months. For further information application should be made to the Professor of Chemistry.

#### DEPARTMENT OF PHYSIOLOGY.

Two Courses of Lectures are required: one in the second, the other in the third, Winter Session.

*Practical Physiology.*—Students of the second year are required to attend Laboratory Courses of Instruction in Experimental Physiology, and in Physiological Chemistry, consisting of at least twenty lessons of two hours' duration. The combined fee for these Courses is £2 2s. Re-attendance on either section, £1 1s.

*Research Work.*—To encourage the prosecution of original investigation into Physiological Subjects having a practical bearing on Clinical Medicine, Graduates in Medicine will be given every facility by the Professor, and will be charged no fee beyond what may be required to cover cost of materials.

#### DEPARTMENT OF PATHOLOGY AND BACTERIOLOGY.

Two Courses of Lectures are given. In the Winter Session the Lectures on Pathology and practical work on the subjects of the Lectures take place in combination, one hour being given to the Lecture and one hour to practical work.

In the summer a Course in Bacteriology is given, including short Lectures and practical work.

Students are supplied with all necessities.

Two Courses in advanced Bacteriology are given in the year, intended specially for Candidates for the Diploma in Public Health. Graduates in Medicine who are not taking out the Diploma are admitted to these Courses. Graduates in Medicine who are desirous of engaging in research in Pathology and Bacteriology are given all facilities, and are supplied with such material as they require and is available.

## SUMMER SESSION, 1921.

The Summer Session commences on the 11th April, and terminates on the 25th June.

## LECTURES AND PRACTICAL INSTRUCTION.

*Laboratory Instruction in Chemistry.*—Professor Young.

This Course comprises Quantitative Chemical Analysis and the identification of typical organic compounds. Students work in the Laboratory from 9 to 11 o'clock on Wednesdays and Fridays. Each Student is provided with full sets of Apparatus and Tests.

*Chemistry for Diploma in Public Health*, see special prospectus.

*Laboratory Instruction in Histology.*—Professor Pringle.

This Course is given in the Physiological Laboratory, on Mondays, Wednesdays, and Fridays, from 2 to 4 o'clock. A Lecture is also given in the Theatre, on one day in each week, after which Illustrative Preparations are shown. Students have their own places in the Laboratory, each provided with a Microscope, and a full set of Apparatus and Reagents. The Laboratory is open to Members of the Class daily, from 10 to 5 o'clock.

*Demonstrations in Operative Surgery.*—Professor Gordon.

The Course of Operations will be given during the months of April and May, at 8 o'clock, a.m., on Mondays, Wednesdays, and Fridays, and at 11 o'clock, a.m., on Tuesdays, Thursdays, and Saturdays.

*Bacteriology.*—Professor Stokes, from 2 to 4 o'clock, on Mondays, Tuesdays, and Thursdays.

The Course will be given in the Pathological Laboratory. Students will have places allotted to them, with Microscopes and the necessary Apparatus. The Laboratory will be open to Members of the Class from 10 to 1 o'clock daily.

*Pathology and Bacteriology for Diploma in Public Health*, see special prospectus.

*Botany.*—Professor H. H. Dixon, Lectures and Practical work, 9 to 11 o'clock on Tuesdays, Thursdays, and Saturdays, in the School of Botany. Students are provided with microscopes, reagents, and specimens, but are required to bring their own dissecting instruments.

*Zoology Lectures.*—Professor Mackintosh, at 1.30 o'clock on Mondays, Wednesdays, and Fridays.

*Practical Zoology.*—Professor Mackintosh.

In the Zoological Laboratory. The Class will be divided. One section will work from 2.30 to 4 o'clock on Mondays and Thursdays; another will work from 2.30 to 4 o'clock on Tuesdays and Fridays; a third from 2.30 to 4 o'clock on Wednesdays, and from

12 to 1.30 o'clock on Saturdays. Students will be provided with Microscopes, Reagents, and Specimens, but must bring their own Dissecting Instruments.

*Materia Medica*.—Professor W. G. Smith, at 12 o'clock on Wednesdays, Thursdays, Fridays, and Saturdays.

*Medical Jurisprudence and Hygiene*.—Dr. Bewley, at 1 o'clock on Mondays, Wednesdays, Thursdays, and Fridays.

*Dental Anatomy*.—Professor A. F. Dixon and Mr. E. S. Friel. Lectures and Practical Work, 9 to 11 o'clock on Tuesdays and Thursdays.

*Anatomy*.—An optional Course of Dissections and Demonstrations is given during the Summer Session, for which a fee of £2 2s. is charged.

*Physiology*.—A Special Voluntary Course of Advanced Chemical Physiology is given during the Summer Session. Fee, £2 2s.

#### PRACTICAL PHARMACY.

A Course of Demonstrations in Practical Pharmacy is given by the Professor of *Materia Medica* in the Museum of *Materia Medica* during the Summer Session. Each Student works at a separate compartment, and is provided with the necessary Apparatus and Reagents. The Course is open to Extern Students.

#### RADIOLOGY.

An optional Course of Demonstrations in the Diagnostics and Therapy of the Röntgen Ray will be given in the Hilary Term. The Course will include practical work with patients. Certificates will be issued to students who attend diligently. Fee for the Course, £3 3s.

#### DEGREES, LICENSES, AND DIPLOMAS.

The Qualifications in Medicine, Surgery, Midwifery, Dental Science, and Public Health granted by the University are as follow:—

The Degrees are:—

- |  |   |
|--|---|
| 1. Bachelor in Medicine (M.B.).            | 6. Master in Obstetric Science (M.A.O.).    |
| 2. Bachelor in Surgery (B.Ch.).            | 7. Bachelor in Dental Science (B.Dent.Sc.). |
| 3. Bachelor in Obstetric Science (B.A.O.). | 8. Master in Dental Science (M.Dent.Sc.).   |
| 4. Doctor in Medicine (M.D.).              |   |
| 5. Master in Surgery (M.Ch.).              |   |

The Licenses and Diplomas are:—

- |                                  |  |
|----------------------------------|--|
| 1. License in Medicine.          | 4. Diploma in Gynæcology and Obstetrics. |
| 2. License in Surgery.           | 5. Diploma in Public Health.*            |
| 3. License in Obstetric Science. |  |

\* Formerly Qualification in State Medicine.

## REGULATIONS FOR OBTAINING MEDICAL DEGREES.

Before obtaining the Degrees of Bachelor in Medicine, Surgery, and Midwifery candidates must have completed the course for the Arts Degree (B.A.) of the University, and have devoted at least five years to medical study. The Arts and Medical Courses may be taken separately or concurrently. The privileges in Arts granted to Medical Students are stated on pages 271-274.

### Entrance to the Medical School.

In order to join the Medical School and prepare for the Medical Degrees of the University, a student must pass the Entrance Examination to Trinity College and a Special Preliminary Examination in Arts, or some examination recognized as equivalent.

The Course for the Entrance Examination is given on page 30.

The Course for the Special Preliminary Examination in Arts is the same as that for the Junior Freshman Hilary Examination, see page 49.

For dates of Examinations see page 286.

The Entrance and Special Preliminary Examinations may be taken consecutively.

If credit for the above Examinations has been obtained, or any Term Examination passed, the Medical Course may be commenced at the beginning of October or in April.

A similar privilege is granted to students who obtain marks showing sufficient merit at the Examination for Junior Exhibitions.

A Special Entrance Examination to Trinity College and a Special Preliminary Examination in Arts are held in October and in March in each year. Students who pass these examinations may begin their Medical or Dental Course in October or April. The dates for 1920-21 are given on page 286.

In the case of students who take their Medical and Arts Courses concurrently the Arts lectures are delivered during the Summer Session of each of the first four years of the combined Medical and Arts Course. The total Arts fees, including the Degree fee, amount to £84 4s.<sup>a</sup> The Arts Regulations for Medical Students will be found on pages 271-274.

### Medical Course.

Students who produce evidence of having passed the Special Preliminary Examination in Arts, or its equivalent (see above), may enter their names and addresses at the office of the Medical

<sup>a</sup> For Students entering on or after 1st January, 1921, the total Arts fees will be £101.



School, pay the Matriculation Fee of 5s., and proceed with the following Courses and Examinations:—

### First Year.—

#### *First Winter*<sup>a</sup>—

Chemistry Lectures and Laboratory,	£3	3	0
Physics and Mechanics Lectures, ..	0	0	0
Practical Physics, .. .. .	0	0	0
Systematic Anatomy Lectures, ..	3	3	0
Descriptive Anatomy Lectures, ..	3	3	0
Dissections, .. .. .	5	5	0

---

£14 14 0

### Preliminary Scientific Examination in Experimental Physics.

#### *First Summer*—

Botany, Lectures and Practical, ..	£1	11	6
Zoology, Lectures and Practical, ..	2	2	0
Practical Chemistry, <sup>b</sup> .. .. .	2	2	0

---

£5 15 6

*In connexion with the course in Physics a course of Lectures in Mechanics, of a Physical rather than of a Mathematical character, is delivered between the 10th of October and the 4th of November. Students should take care to obtain credit for attendance on these Lectures. Failure to do so will prevent their obtaining credit for Lectures in Physics, and entering for the Preliminary Scientific Examination in that subject.*

### Completion of Preliminary Scientific Examination in (a) Botany, Zoology, and (b) Chemistry.

All the subjects may be passed at the same time, or they may be passed in two groups (a) and (b).

Before presenting themselves for Examination, Students must have attended the recognized Courses of Instruction in the subjects of the Examination.

### Second Year.—

#### *Second Winter*—

Anatomy Lectures, .. .. .	£3	3	0
Physiology and Organic Chemistry Lectures, .. .. .	3	3	0
Practical Physiology, .. .. .	2	2	0
Dissections, .. .. .	5	5	0
Hospital Elementary Instruction, <sup>c</sup>	12	12	0

---

£26 5 0

<sup>a</sup> In the Table of Fees here given the reductions specified (p. 271) have already been made.

<sup>b</sup> Students who join the School in a Summer Session must consult the Professors of Chemistry before entering for this Course.

<sup>c</sup> Hospital attendance cannot be commenced until the student has obtained credit for six months' dissections, and completed the Preliminary Scientific Examination.

*Second Summer—*

Histology, .. .. .	£5	5	0
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**Intermediate Medical Examination, Part I.**

The subjects are—(1) Anatomy, and (2) Histology, Physiology (omitting the Physiology of the Sense-Organs, and of the Central Nervous System), and Organic Chemistry.

Before presenting themselves for this Examination, Students must have attended the School Courses of Instruction prescribed for the First and Second years of Medical study, and *must have completed the Preliminary Scientific Examination in Botany, Zoology, Chemistry, and Physics.*

The Examination will consist of a paper, a practical, and an oral in each subject, except Organic Chemistry, in which there is no oral or practical examination.

*N.B.—The courses of the Third Year cannot be commenced until the Preliminary Scientific Examination has been completed.*

**Third Year.—***Third Winter—*

Applied Anatomy Lectures, <sup>a</sup>	..	£3	3	0
Physiology Lectures,	.. ..	3	3	0
Surgery, .. .. .	.. ..	2	2	0
Hospital Practice, .. ..	.. ..	12	12	0
		<hr/>		
		£21	0	0

**Intermediate Medical Examination, Part II.**

The subjects are—Applied Anatomy and Applied Physiology (including the Physiology of the Nervous System and of the Sense-Organs).

Before presenting themselves for this Examination Students must have attended the prescribed Courses of study, and *have completed Intermediate Medical Examination, Part I.*

The Examination will consist of a paper and an oral in each subject.

*Third Summer—*

Materia Medica and Therapeutics,	£3	3	0
Operative Surgery, <sup>b</sup> .. ..	2	12	6
		<hr/>	
		£5	15 6

<sup>a</sup> Students who have credit for two years' dissections in Trinity College will be allowed to dissect in their third or subsequent year on payment of £3 3s. for the Winter Session.

<sup>b</sup> Operative Surgery may be taken by those Students only who have completed the Intermediate Medical Examination, Part I.

*N.B.—The Courses of the Fourth Year cannot be commenced until the Intermediate Medical Examination, Part I., has been completed.*

#### Fourth Year.—

##### *Fourth Winter—*

Practice of Medicine, .. ..	£3	3	0
Midwifery, .. ..	3	3	0
Pathology, Lectures and Practical, ..	5	5	0
Hospital Practice, .. ..	12	12	0
	<hr/>		
	£24	3	0

##### *Fourth Summer—*

Medical Jurisprudence and Hygiene, ..	£3	3	0
Bacteriology, Lectures and Practical, ..	5	5	0
	<hr/>		
	£8	8	0

#### Final Medical Examination, Part I.

The subjects are—Pathology and Bacteriology, *Materia Medica* and Therapeutics, Medical Jurisprudence and Hygiene.

Before they are admitted to the Examination, Students must have attended the prescribed Courses of study and passed the Intermediate Medical Examination, Part II.

Vaccination (Fee, £1 1s.) should be taken out in the fourth year.

#### Fifth Year—

Practical Midwifery, .. ..	£10	10	0
Mental Disease, .. ..	3	3	0
Ophthalmic Surgery, .. ..	3	3	0
	<hr/>		
	£16	16	0

#### Final Medical Examination, Part II.

The subjects are—(a) Medicine, Clinical Medicine, and Mental Disease; (b) Surgery, Clinical Surgery, Surgical Operations, and Ophthalmic Surgery; (c) Midwifery and Gynæcology.

Before they are admitted to any part of this Examination Students must have passed the Final Medical Examination, Part I.

Students may present themselves for Examination in any of these groups (a), (b), or (c), separately, or together, at any of the Examinations during their Fifth Year; but they must leave at least one of these groups until the end of their Fifth Year. Before presenting themselves for any of these groups, Students must have attended all the prescribed Courses of Instruction in the subjects in which they present themselves for Examination.

### Degrees.

Candidates who have completed the prescribed Courses of study and passed all the Examinations, will be entitled, if Graduates in Arts, to have conferred on them the Degrees of M.B., B.Ch., B.A.O., on payment to the Senior Proctor of the Degree Fees amounting to £17. They will also obtain from the Senior Proctor a Diploma entitling them to be entered on the Register of Medical Practitioners under the Medical Act, 1886.

#### TOTAL EXPENSES OF FOREGOING COURSES.

I. Lectures, .. .. .	£73	10	0
II. Hospitals, .. .. .	55	13	0
III. Degrees (M.B., B.Ch., B.A.O.),	17	0	0
<b>TOTAL, .. .. .</b>	<b>£146</b>	<b>3</b>	<b>0</b>

### License in Medicine, Surgery, and Obstetric Science.

Candidates for the License in Medicine, Surgery, and Obstetric Science must have completed two years in Arts, and five years in Medical Studies.

The dates, regulations, and subjects of Examination are the same as for the Degrees.

The Fee for the License is £11.

Licentiates on completing the Course in Arts, and proceeding to the Degree of B.A., may be admitted to the Degree of Bachelor on paying £6, the difference between the Degree Fees and the Fee for the License.

*The Fee for the License is payable to the Senior Proctor.*

### ENTRIES FOR COURSES AND PAYMENT OF FEES.

Entries for all Courses, with the exception of Materia Medica and Summer Dissections, will be taken at the Registrar's Office, Medical School, and should be made by Students *in person*. Fees must be paid at the same time; when paid by cheque they should be made payable to "the Registrar, School of Physic, Trinity College, Dublin," and should be drawn for the exact amount due; Hospital Fees should not be included.

Seats in the Lecture Theatres are allotted in the order in which Fees are paid.

Entries for Materia Medica and Summer Dissections are taken by the Professors of Materia Medica and Anatomy, and the Fees for these Courses are payable to them.

Entries for the Winter Courses will be taken on and after the 1st of October, and will close on the 11th of October, after which



a Tardy Fee of 2s. 6d. for each working day in arrear will be charged. No entries will be received after the 25th of October.

Entries for the Summer Courses will be taken on and after the 1st of April, and will close on the 11th of April, after which a Tardy Fee of 2s. 6d. for each working day in arrear will be charged. No entries will be received after the 25th of April.

Hospital Fees are to be paid to the various Hospitals.

### REGULATIONS CONCERNING EXAMINATIONS.

All entries for Examinations must be made 14 clear days before those upon which the various Examinations begin.

The following regulations hold with regard to the number, times, and conduct of Examinations, scale of marking, &c.:—

1. The Preliminary Scientific Examination is held three times in each year.

Equal marks are given to each subject and to each group of subjects.

2. The Intermediate Examination is held three times in each year.

Equal marks are awarded to Anatomy, and to Physiology, including Histology and Organic Chemistry, in Part I., and to Applied Anatomy and Applied Physiology in Part II., of the Examination.

3. Part I. of the Final Examination is held three times in each year.

Scale of marking is as follows:—

Pathology, . . . . .	50
Materia Medica and Therapeutics, . . . . .	25
Medical Jurisprudence and Hygiene, . . . . .	25

4. Part II. of the Final Examination is held three times in each year.

Scale of marking is as follows:—

#### MEDICINE—

Paper, . . . . .	25
Oral, . . . . .	15
Clinical, . . . . .	50
Mental Disease, . . . . .	10

#### SURGERY—

Paper, . . . . .	20
Oral, . . . . .	10
Operations, . . . . .	20
Clinical, . . . . .	40
Ophthalmic Surgery, . . . . .	10

#### MIDWIFERY & GYNÆCOLOGY—

Clinical, . . . . .	40
Papers, . . . . .	40
Orals, . . . . .	20

5. The Clinical Examinations are in each case held before the papers and orals, and candidates who fail to satisfy the Clinical

Examiners are not permitted to present themselves for the other parts of the Examination.

6. The Examination in Mental Disease takes the form of an oral, and is held at an Asylum: candidates are required to fill up a form of certificate (such as is used for the committal of a lunatic to a public asylum) from their personal examination of a patient.

7. The Court of Examiners have the power of compelling candidates whose answering has been deficient in any subject, to attend a recognized Course of Instruction in that subject before presenting themselves for re-examination.

New Regulations are introduced only after due notice, but when introduced they are binding upon all Students of the Medical School.

8. *Before entering for any of the three sections of the Final Medical Examination, Part II, the Student should obtain from the Office the special form on which attendance upon the various necessary Courses may be certified (see page 260).*

#### RE-EXAMINATION.

Every Student, who having entered for any of the Medical Examinations, fails, for any reason, to obtain credit for it, shall pay a fee of 10s. 6d., for any occasion on which he presents himself again for the same Examination.

Every Student who is remitted in the Final Examinations in Medicine or Surgery will be required, on entering for re-examination, to present six additional cases taken by himself and each countersigned by the Physician or Surgeon in charge of the case.

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### REGULATIONS CONCERNING LECTURES, HOSPITALS, &c.

#### ATTENDANCE ON LECTURES.

Students are expected to attend all the Lectures or Demonstrations delivered in each Course for which they enter, whether in the Winter or the Summer Session; but in order to provide for unavoidable absence, such as illness or attendance at Examinations, they are allowed credit for a Course if they have been present at three-fourths of the Lectures or Demonstrations actually delivered. If this proportion involve a fraction, the next highest whole number is reckoned as the minimum. If more than one-fourth have been missed, application must be made through the Committee of the School of Physic to the Board of Trinity College, by whom each case is decided on its merits, but the applicant must produce satisfactory reasons for omission of *all* the Lectures missed, not of the excess above one-fourth only. No Student will be allowed credit for a Course who has not been found diligent in attendance, when not prevented by illness or other cause considered sufficient by the Board.

## CLASS EXAMINATIONS.

Students will be required to show a reasonable knowledge, as ascertained by Examination during the Session, of the subject of a Course of Lectures before a certificate of satisfactory attendance is issued by the Professor in charge, and the return to the Senior Lecturer is to include a statement that this condition has been fulfilled.

## HOSPITAL ATTENDANCE.

Three Courses of nine months' attendance on the Clinical Lectures of Sir Patrick Dun's or other Metropolitan Hospital recognized by the Board of Trinity College (see page 283) are required.

During the first three months of the Winter Session in which Students begin their Hospital work, they must attend an Elementary Course of Hospital Instruction for one hour per day.

Students will be required to attend on at least forty-five occasions in this three months' Course in order to obtain credit for it.

Students attending Hospital are required, at the end of each month, to lodge at the Registrar's Office, in the Medical School, a card which has been signed daily during the month by some member of the Hospital Staff. These cards may be obtained at the Office at the School of Physic.

Before presenting themselves for the Final Examination, Students must lodge at the office notes of six Medical and six Surgical cases taken by them, and countersigned by the Physician or Surgeon in charge of the cases, also notes of six autopsies taken by them and countersigned by the Pathologist of the Hospital.

Hospital attendance cannot be commenced until the Student has obtained credit for six months' dissections, and completed the Preliminary Scientific Examination.

Attendance at a general Hospital during the months of July, August, and September, cannot be counted unless the Student is resident at the Hospital.

Students who shall have diligently attended the practice of a recognized London or Edinburgh Hospital for one year, of a recognized County Infirmary, or of a recognized Dominion Hospital for two years previous to the commencement of their Metropolitan Medical Studies, may be allowed, on special application to the Board of Trinity College, to count the period so spent as equivalent to one year spent in a recognized Metropolitan Hospital.

Students who for any reason do not begin their Hospital attendance until their third year cannot present themselves for *any part* of the Final Examination, Part II., until they have credit for twenty-seven months' clinical general Hospital attendance.

Students entering for the Final Medical Examination, Part II, are required to present the following certificates :—

### MEDICINE.

#### PRACTICAL VACCINATION.

The certificate of instruction must show that the student has attended a Course of instruction in Vaccination in accordance with the Regulations of the Local Government Board. The Certificate should be signed by the Medical Officer of the Vaccine Department, Upper Sackville-street, Dublin, the Workhouse Infirmary, Cork, or the Workhouse Infirmary, Belfast.

#### MENTAL DISEASE.

A Certificate of attendance on a three months' Course of Practical Study of Mental Disease at a recognized Institution (see page 283) is required.

### SURGERY.

#### OPHTHALMIC SURGERY.

A Certificate of regular attendance upon a three months' Course of Ophthalmic Surgery is required. This Certificate must be obtained from a Hospital in which at least twenty-five beds are maintained for patients suffering from diseases of the Eye and Ear, and must state that the Student's work in connexion with the Course has reached a satisfactory standard.

#### ANÆSTHETICS.

A Certificate of adequate practical instruction and proficiency in practice in the administration of General Anæsthetics is required.

### MIDWIFERY.

- I. Certificates of having, before commencing the study of Practical Midwifery, held the office of (a) Clinical Clerk and (b) Surgical Dresser in a recognised general Hospital.
- II. (a) of regular attendance at a recognised Maternity Hospital as a non-resident student for a period of six months, or as a resident student for a period of three months;  
(b) of having received practical instruction in Midwifery; and  
(c) of having personally conducted twenty cases of labour under official medical supervision.



## HIGHER DEGREES.

**Master in Obstetric Science.****M.A.O.**

A Master in Obstetric Science must be a B.A.O. of two years' standing in the University of Dublin, and must produce satisfactory evidence of having been engaged for two years in the study of Obstetric Science. Before the Grace of the house can be obtained, the Candidate must pass the M. A. O. Examination according to regulations approved by the Board.

The subjects for the Examination are:—

- |                           |                                 |
|---------------------------|---------------------------------|
| 1. Practice of Midwifery. | 3. Anatomy of Female Pelvis and |
| 2. Gynæcology.            | Elementary Embryology.          |
|                           | 4. Clinical Gynæcology.         |

Notice should be given to the Registrar of the School of Physic one month before the first day of the Examination. The dates are the same as those for the Final Examination, Part II., Midwifery, page 286.

Fee for the M. A. O. Examination is £5 and for the Degree of Master in Obstetric Science, £10.

**Master in Surgery.****M.Ch.**

A Master of Surgery must be a B.Ch. of the University of Dublin, of three years' standing, and must produce satisfactory evidence of having been engaged for not less than two years from the date of Registration in the study or practice of his profession. He must then pass an Examination in the following subjects:—

- |                        |                                  |
|------------------------|----------------------------------|
| 1. Clinical Surgery.   | 4. Surgery.                      |
| 2. Operative Surgery.  | 5. Surgical Anatomy (on the dead |
| 3. Surgical Pathology. | subject).                        |

And one of the following optional subjects, viz.:—

1. Surgery, in one of its recognized branches, viz.:  
Ophthalmic and Aural; Gynæcological; Dental.
2. Mental Disease.
3. Medical Jurisprudence and Hygiene.
4. Advanced Anatomy and Physiology.
5. Comparative Anatomy.

Notice should be given to the Registrar of the School of Physic one month before the Examination begins, the optional subject selected being named at the same time. The dates are the same as those for the Final Examination, Part II., Surgery, page 286.

Graduates in Surgery of the University of Dublin, of not less than ten years' standing, may be recommended for the Degree of M. Ch., by the vote of the Court of Examiners, on such Examination as they shall determine. Candidates claiming this privilege must give one month's notice to the Registrar of the School, state in full their qualifications, and name the optional subject selected.

Fee for the Examination, £10, and for the Degree of Master in Surgery, £11.

## Doctor in Medicine.

### M.D.

Candidates for the Degree of Doctor in Medicine must have passed the Final Examinations in Medicine, Surgery, and Midwifery, and must be of M.A. standing in the University of Dublin. They must also read a Thesis publicly before the Regius Professor of Physic and his Assessor, or must undergo an Examination before the Regius Professor of Physic, according to Regulations to be approved by the Provost and Senior Fellows.

The Regulations with respect to the Thesis are as follows:—

The Thesis shall be sent to the Registrar of the School of Physic not less than six weeks before the date of the conferring of Degrees. Notice will be given to the candidate of the date fixed for the reading of the Thesis. At the reading, the Regius Professor and his Assessor shall discuss with the candidate questions connected with the Thesis, and may also examine him *vivâ voce* on other medical subjects of a more general nature; the exercise as a whole shall ordinarily last not less than one hour.

A fee of £3 shall be sent by the candidate along with the Thesis, and this shall be deducted from the fee for the Degree if the Thesis be accepted.

Fee for the Degree of Doctor in Medicine, £20.

Commencements will be held on 18th December, 1920, and 8th February, 19th April, 30th June, and 20th December, 1921.

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*All Degree fees are payable to the Senior Proctor.*

## DIPLOMA IN GYNÆCOLOGY AND OBSTETRICS.

Candidates for the University Diploma in Gynæcology and Obstetrics must be Registered Medical Practitioners who, after the date of registration, have taken out the prescribed course of study at Trinity College, and at the Rotunda Hospital, or other Hospital recognised for the purpose by the Board and Council. Six months' residence in Trinity College, or in the case of women in Trinity Hall, and six months' residence at the Rotunda Hospital are required.

Instruction is given during the year's course in :—

Practice of Midwifery,  
Practice of Gynæcology,  
Anatomy of the Female Pelvis,  
Elementary Embryology,  
Pathology of the Female Organs, and  
Ante-natal Pathology.

The examination for the Diploma is in the same subjects.

The Fees payable are as follow :—

	£	s.	d.
Rotunda Hospital instruction for six months, including rooms, .. .. .	21	0	0
Registration and Half-yearly fee, Trinity College, six months, .. .. .	9	3	0
Special Anatomy and Embryology, .. .. .	6	6	0
Pathology, .. .. .	5	5	0
Examination Fee, .. .. .	10	0	0
Fee for Diploma, .. .. .	5	0	0
	56	14	0

In addition to these fees, there is the rent of rooms in Trinity College, Dublin, for six months which averages about £6 unfurnished. Certain articles of permanent furniture are supplied by the College at a small additional rent.

*The Diploma fee is payable to the Senior Proctor.*

## DIPLOMA IN PUBLIC HEALTH.

In the year 1870 a "Diploma in State Medicine" was instituted by a resolution of the Board of Trinity College. In 1898 it was resolved that the title of the "Diploma in State Medicine" be changed to that of "Diploma in Public Health."

The conditions under which the Diploma is awarded are governed by the Regulations and Rules adopted by the General Medical Council.

*A copy of these Rules, a list of Institutions recognized for purposes of instruction by Dublin University, and details of the Courses of instruction given at the School of Physic are published in a separate prospectus, which may be obtained by application to the Registrar of the School of Physic, Trinity College, Dublin.*

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## REGULATIONS OF THE SCHOOL OF DENTAL SCIENCE.

The School of Dental Science consists of the following staff for 1920-21 :—

*University Professor of Anatomy and Chirurgery.*—Andrew Francis Dixon, M.B., Sc.D.

*University Professor of Chemistry.*—Sydney Young, Sc.D., F.R.S.

*Erasmus Smith's Professor of Natural Philosophy.*—William E. Thrift, M.A., F.T.C.D.

*King's Professor of Institutes of Medicine (Physiology).*—Professor Harold Pringle, M.D.

*King's Professor of Practice of Medicine.*—James Craig, M.D.

*Professor of Surgery.*—Thomas E. Gordon, M.B.

*Lecturer in Pathology.*—Alexander O'Sullivan, M.D., S.F.T.C.D.

*Lecturer in Dental Surgery and Pathology.*—A. W. W. Baker, M.D., M. Dent. Sc.

*Lecturer in Dental Mechanics.*—Joseph Cockburn, L.D.S.

*Lecturer in Orthodontia.*—E. S. Friel, M. Dent. Sc.

*Lecturer in Anæsthetics.*—T. P. C. Kirkpatrick, M.D.



## WINTER SESSION, 1920-21.

The Winter Session begins on October 1st.

Lectures commence on 11th October.

*Mechanics*.—Lectures for Freshman First Year Dental Students (see page 253).

*Physics*.—Professor Thrift, at 1 o'clock, on Mondays, Wednesdays, and Fridays.

*Chemistry*.—Professor Young, at 1 o'clock, on Tuesdays and Thursdays, and 11 o'clock on Saturdays.

*Practical Chemistry*.—Professor Young, at 10 o'clock, on Saturdays.

*Systematic Anatomy*.—Professor A. F. Dixon, at 9 o'clock, on Mondays, Wednesdays, and Fridays.

*Physiology* (Junior Class).—Professor Pringle, at 11 o'clock, on Tuesdays, Wednesdays, and Thursdays.

*Practical Physiology* (Junior Class).—Professor Pringle and Assistants, 2 to 4 o'clock, on Mondays and Fridays.

*Surgery*.—Professor Gordon, at 12 o'clock, on Tuesdays, Thursdays, and Saturdays.

*Medicine*.—Professor Craig, at 1 o'clock, on Tuesdays, Thursdays, and Saturdays.

*Dental Mechanics*.—Mr. Cockburn, at 5 o'clock, on Tuesdays and Fridays.

*Dental Surgery and Pathology*.—Dr. Baker, at 5 o'clock, on Tuesdays and Fridays.

*Dissections* from October to March, inclusive.

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SUMMER SESSION, 1921.

Lectures commence on 11th April.

*Laboratory Instruction in Chemistry*.—Professor Young.

Students work in the Laboratory from 9 to 11 o'clock, on Wednesdays and Fridays. Each Student is provided with full sets of Apparatus and Tests.

*Laboratory Instruction in Histology.*—Professor H. Pringle.

This Course will be given in the Physiological Laboratory on Mondays, Wednesdays, and Fridays, from 2 to 4 o'clock. A Lecture will be given in the Theatre, on one day in each week, after which Illustrative Preparations will be shown. Students will have their own places in the Laboratory, each with a Microscope, and a full set of Apparatus and Reagents. The Laboratory will be open to Members of the Class daily, except during Class hours.

*Dental Anatomy and Physiology.*—Professor A. F. Dixon and Mr. Friel, 9 to 11 o'clock, on Tuesdays and Thursdays.

*Orthodontia.*—Mr. Friel, at 5 o'clock, on Mondays and Fridays.

*Anæsthetics.*—Dr. Kirkpatrick, at 5 o'clock, on Wednesdays.

## COMBINED ARTS AND DENTAL CURRICULUM.

The University of Dublin grants the degrees of Bachelor and Master in Dental Science.

Either of these qualifications entitles the holder to be registered as a licensed Dental practitioner.

In order to obtain the Degree of Bachelor (B. Dent. Sc.) Candidates must have completed the course for the Arts degree (B.A.) of the University and have spent at least four years in the School of Dentistry. The Degree of Master in Dental Science (M. Dent. Sc.) is awarded after a further examination, and cannot be taken until the end of a fifth year of study.

The Dental and Arts Courses may be taken separately or concurrently.

It is to be understood (*a*) that the Arts Courses to be attended by Dental Students are the same as those to be attended by Medical Students; and (*b*) that, with the exceptions noted, the Professional Courses mentioned below as necessary for Dental Students are the same as those for Medical Students.

The following curriculum has been drawn up for students who desire to pursue their Arts and Dental studies concurrently:—

The student should—

1. Pass the Entrance Examination (Trinity College).
2. Pass any Junior Freshman Term Examination, or the Special Preliminary Examination in Arts held in March and October.

Upon the completion of the second of these examinations the student should register as a Dental Student<sup>a</sup> at the office of the Registrar of the School of Physic, and begin his combined Course for the Arts and Dental degrees in October or April.

NOTE.—The Fees for the courses marked thus \* are included in the Arts Fees.

*First Winter—*

\*Mechanics (Statics and Dynamics, see page 253).

\*Physics Lectures (Michaelmas and Hilary Terms).

\*Physics, Practical.

Chemistry Lectures and Laboratory,	..	..	£3	3	0
Systematic Anatomy Lectures	..	..	3	3	0
Anatomy, dissections	..	..	5	5	0

£11 11 0

**Examination in Experimental Physics.**

*First Summer—*

Practical Chemistry, together with Practical Dental

Metallurgy .. .. £2 2 0

Histology, together with Dental Histology .. .. 5 5 0

Dental Anatomy and Physiology (Human & Comparative)<sup>b</sup> 2 2 0

£9 9 0

\*Mechanics (Statics and Dynamics).

\*English Composition.

**Completion of the Preliminary Scientific Dental Examination.**

In June of his first year the Student should complete the Preliminary Scientific Dental Examination in Chemistry and Physics, and also the Examination in Dental Anatomy. Before he is admitted to any of these Examinations he must have attended the courses indicated above to the satisfaction of his Teachers.

*Second Winter—*

General Hospital .. .. £12 12 0

Dissections .. .. 5 5 0

Physiology Lectures .. .. 3 3 0

Physiology, Practical .. .. 2 2 0

Surgery, including the elements of Surgical Pathology  
and Surgery in its applications to Dental Surgery  
Lectures .. .. 2 2 0

Medicine, including the elements of General Pathology  
and the applications of Medicine to Dental Surgery  
Lectures .. .. 3 3 0

£28 7 0

<sup>a</sup> Students are advised to register *both* as Dental and Medical Students. A Student who has done this is entitled to count some of the Courses which he takes as a Dental Student as a part of his Medical Course, should he at a later date determine to take the Medical Degrees.

<sup>b</sup> Special Course; two days per week, together with practical work and demonstrations.

### Intermediate Dental Examination.

Students who begin their Dental course in the Summer Session are advised in their first summer to attend Dental Anatomy, Statics and Dynamics, and English Composition.

At the completion of his second Winter Session the Student should pass the Intermediate Dental Examination in Anatomy and Physiology.

Before he is admitted to the Intermediate Dental Examination the Student must have completed the courses of instruction indicated above, to the satisfaction of his Teachers, and must have passed the Preliminary Scientific Dental Examination in Chemistry and Physics, and in Dental Anatomy.

#### *Second Summer—*

General Hospital (included in Winter Fee).

Dental Mechanics (Practical).<sup>a</sup>

\*Logic Lectures and English Composition.

During the Summer, Students should prepare for the Arts Part of the Final Freshman Examination, and should pass it in the following October. The subjects are:—Mechanics, Logics, English Composition, and one language, viz.: Latin, Greek, French, or German.

Having completed the Final Freshman and Intermediate Dental Examinations, the Student should devote his time to work at the Dental Hospital. For two years he should attend each forenoon the surgical practice of this Hospital, and in the afternoons the instruction given in Mechanical Dentistry.

#### *Third Winter—*

Dental Surgery (Hospital Practice) <sup>b</sup>	..	..	£15	15	0
Dental Mechanics (Practical) <sup>c</sup>	..	..	60	0	0
Lectures in Elementary Dental Mechanics and Dental Metallurgy (from October to Christmas).	}		3	3	0
Lectures in Dental Surgery and Pathology, including Materia Medica and Therapeutics in their applications to Dental Surgery (for rest of Winter Session)					
			£78	18	0

#### *Third Summer—*

Dental Surgery (Hospital Practice)	} <sup>a</sup>	(included in Winter Fee)
Dental Mechanics (Practical)		
*Arts Lectures.		

<sup>a</sup> Students who have failed to complete the Intermediate Dental Examination are advised not to begin their instruction in Dental Mechanics until June. Before presenting himself for the Final Examination, the Student must have taken a minimum of 27 months' instruction in Practical Dental Mechanics.

<sup>b</sup> Students joining between 1st December and 31st July pay £3 3s. extra.

<sup>c</sup> The Dental Hospital fee for Practical Dental Mechanics is £100 in one sum, or £60 and £45 if paid in two instalments.



*Fourth Winter—*

Dental Surgery (Hospital Practice) <sup>a</sup>	..	..	£15	15	0
Dental Mechanics (Practical)	..	..	45	0	0
Advanced Dental Mechanics (from October to Christmas)					
Dental Surgery and Pathology, including Materia Medica and Therapeutics in their application to Dental Surgery and Pathology (for rest of Winter Session).			2	2	0
					£62 17 0

*Fourth Summer—*

Dental Surgery (Hospital Practice)	(included in Winter Fee)				
Dental Mechanics (Practical)					
Orthodontia	..	..	1	1	0
Demonstrations in the use of Anaesthetics	..	..	1	1	0
*Arts Lectures.					
					£2 2 0

**Final Dental Examination.**

At the completion of the fourth year the Student should enter for the Final Dental Examination, the subjects for which are—

Dental Mechanics and Metallurgy.

Paper, Practical and *Viva voce*.

Dental Surgery and Pathology, including Materia Medica and Therapeutics in their application to Dental Surgery.

Paper, Practical and *Viva voce*.

Orthodontia. *Viva voce*.

The Principles of Surgery and Medicine in their application to Dental Surgery. *Viva voce*.

The fee for the Degree Examination is £5.

The degree of Bachelor in Dental Science is conferred on Students who have completed the above Courses and Examinations, passed in the subject of the Arts Lectures attended in the fourth Summer and in English Composition at an ordinary Examination for the B.A. Degree, and paid the Degree fee—£10—to the Senior Proctor.

**Bachelor in Dental Science (B. Dent. Sc.).**

The total Fees in order to obtain the degree of Bachelor in Dental Science are:—

Entrance Fee, Arts Fees (4 years), and Fee for

B.A. Degree,<sup>a</sup> .. .. . £84 4 0

Lecture, Laboratory, and Hospital Fees—

First Winter	..	..	..	£11	11	0
First Summer	..	..	..	9	9	0
Second Winter	..	..	..	28	7	0
Second Summer	..	..	..	—		
Third Winter	..	..	..	78	18	0
Third Summer	..	..	..	—		
Fourth Winter	..	..	..	62	17	0
Fourth Summer	..	..	..	2	2	0
Examination Fee	..	..	..	5	0	0
Fee for Degree	..	..	..	10	0	0
				<hr/>		
				£292	8	0

**EXAMINATIONS.**

For dates of Examinations, and regulations regarding Entries for Examinations, see pages 285-6.

Graduates in Medicine of the University of Dublin who desire to take a degree in Dentistry are admitted to the B. Dent. Sc. Examination on producing certificates as follows:—

1. One year's attendance at the surgical practice of a recognized Dental Hospital.
2. Two years' practical Dental Mechanics.
3. Lectures on Dental Surgery and Pathology, Mechanics, Anatomy, Orthodontia, and Anæsthetics.

**Master in Dental Science (M. Dent. Sc.).**

Candidates for the Degree of Master in Dental Science must be Bachelors in Dental Science of at least one year's standing. They will be required to pass an examination in Pathology and Bacteriology, and either to carry out Dental work of an advanced character to the satisfaction of the Examiners, or to present a thesis, to be approved of by them, giving evidence of original research on some subject connected with Dentistry.

The fee for the M. Dent. Sc. Examination is £5, and the fee for the Degree is £10.

<sup>a</sup> See note, p. 252.

## PRIVILEGES ATTACHED TO THE SCHOOL OF PHYSIC.

## PRIVILEGES OF MATRICULATED STUDENTS.

Students in Arts are entitled to attend a Course of Lectures in Surgery, in Botany, and in Zoology at a reduction of one-half, and in Chemistry at a reduction of one-third, of the usual Fees. They are also entitled to a Course of Experimental Physics free.

## ARTS DEGREE.

## REGULATIONS FOR MEDICAL AND DENTAL STUDENTS.

1. In order to join the Medical or Dental School, a Student must have either

(a) passed a Junior Freshman Term Examination, exclusive of Trigonometry,

or

(b) passed either the Special Preliminary Examination held in March or that held in the first days of October. The standard subjects are those of the Hilary Junior Freshman Examination,\*

or

(c) obtained at the Examination for Junior Exhibitions marks showing sufficient merit in the subjects of (a) or (b).

*Note.*—Rising Junior Freshmen desiring to begin their Medical or Dental Curriculum have the privilege of presenting themselves at either the Michaelmas Junior Freshman Examination (exclusive of Trigonometry) or the Supplemental Hilary Examination at the end of Trinity Term, without paying the May fee of the Junior Freshman Year. But they obtain no academic credit for either examination beyond the right of entering the Medical or Dental School.

2. All Medical and Dental Students of undergraduate standing, who claim professional privileges in Arts, must attend at least one course of Arts Lectures in the Trinity Term of each year. The subjects of these lectures are as follows:—

*Junior Freshman Year.*

Mechanics (including Elementary Trigonometry) and English Composition.

*Senior Freshman Year.*

Logic (Formal) and English Composition.

*Junior and Senior Sophister Year.*

The two Arts Courses attended in the Trinity Terms of the Sophister Years may be any two, with English Composition, of the following

\* At the Preliminary Examination in October Students may present themselves in the subjects of the Junior Freshmen Michaelmas Term Examination, omitting Trigonometry, should they so desire.

subjects:—(1) Astronomy, (2) Languages:—French and German, (3) Psychology, (4) Ethics, (5) Political and Economic Science.

*Note 1.*—Students whose English Composition is unsatisfactory may be required to attend special lectures in that subject.

*Note 2.*—Students who enter the Medical or Dental School at the commencement of their Senior Freshman Year, and have obtained credit for only one term as Junior Freshmen, must, in the Trinity Term of the Senior Freshman Year, attend the Lectures in Logic (Formal) and English Composition, and in either the Hilary or the Trinity Term attend the Lectures in Mechanics.

*Note 3.*—In order to obtain credit for the Arts Term in the Junior Sophister Year, the student must pass an examination at the end of the Term in the subject in which he has attended Lectures.

*Note 4.*—A student, having passed the Final Freshman Examination, may obtain credit for the Arts Terms of his Sophister Years by attendance at the Sophister Moderatorship Lectures in any subject, provided that he afterwards obtains a Moderatorship in that subject, and has already obtained the B.A. Degree of another University.

3. Students who have entered the Medical or Dental School not later than the commencement of their Senior Freshman Year, and have obtained credit for such terms of Arts Lectures as they are required under § 2 to attend in the Freshman Years, will obtain credit for the Final Freshman Examination by passing—

(a) The Preliminary Scientific Examination of the Medical School, or the Preliminary Scientific Dental Examination and the Examination in Dental Anatomy.

(b) An Examination in Mechanics, Logics, English Composition, and one of the following languages:—Greek, Latin, French, German.

The Examination in Mechanics may be taken concurrently with the rest of the Arts part of the Final Freshman Examination, or as in § 4. If taken as in § 4, this examination must be passed before the Final Freshman Examination.

A student need not have passed (a) in whole or in part before presenting himself for (b), but he must have passed both before the Trinity Lectures of his Junior Sophister year.

4. An Examination will be held in the Mechanics of the Final Freshman Course (including Elementary Trigonometry), at the date of each of the Preliminary Scientific Examinations.

5. No student will be allowed to attend the Arts Lectures in the Trinity Term of the Junior Sophister Year until he has obtained credit for the Final Freshman Examination.

6. Students who have obtained credit for such attendance at Arts Lectures of the Sophister years as is required of them under § 2, and who have made satisfactory progress with their Medical studies during those years (see § 7), may present themselves for the Arts portion of their Degree Examination.



At this Examination he must pass in English Composition and the subject in which he has attended lectures in his Senior Sophister Year.

7. The words 'satisfactory progress' in § 6 are thus interpreted. Before presenting themselves for the Arts Degree—

- (a) Students who have entered the School not later than the commencement of their Senior Freshman Year must have passed Part II. of the Intermediate Medical Examination, or have passed the Intermediate Dental Examination, and kept one year at the Dental Hospital to the satisfaction of their teachers.
- (b) Those who have entered the School not later than the commencement of their Junior Sophister Year must have passed Part I. of the Intermediate Medical Examination, or the Intermediate Dental Examination.
- (c) Those who have entered the School not later than the commencement of their Senior Sophister Year must have passed the Preliminary Scientific Examination, or the Preliminary Scientific Dental Examination, and the Examination in Dental Anatomy.

*Note.*—These regulations may be relaxed in the case of candidates for Moderatorship.

8. Students who have satisfied the conditions laid down in § 6 may obtain credit for the Degree Examination, either

- (a) by passing in the Arts subject in which he has attended lectures in his Senior Sophister Year and in English Composition at an ordinary examination for the B.A. Degree, and passing Part II. of the Intermediate Medical Examination, or the Intermediate Dental Examination.

*or*

- (b) by obtaining a Moderatorship, or by passing the full ordinary examination for the B.A. Degree.

9. A student who has failed to obtain credit for attendance at the Arts Lectures given in Trinity Term, whether through sickness, or irregular attendance, or want of diligence, or by failing to pass the Examination mentioned in § 2, note 3, or from any other cause, may supplement the Term as follows:—

- (a) If a Junior Freshman, he may pass the Junior Freshman Michaelmas Term Examination, or the Senior Freshman Hilary or Trinity Term Examination.
- (b) If a Senior Freshman, he may supplement the Trinity Senior Freshman Examination in October or in the following January; and may pass the Final Freshman Examination for Medical Students in Hilary or supplement it in Trinity following.
- (c) If a Junior Sophister, he may pass the Michaelmas Examination of his class, or the Hilary or Trinity Examination of the Senior Sophister Year, taking English Composition and two subjects.

- (d) If a Senior Sophister, he must supplement a Senior Sophister Examination, taking English Composition and three subjects.

A Student who fails to comply with these Rules loses his class.

*Note.*—A Junior Freshman who is prevented by sickness, or other sufficient reason, from attending Lectures in Trinity Term, may, by special permission of the Senior Lecturer, take a second course in his Senior Freshman year instead.

10. If at any time a Student is reported by the Medical School Committee to the Senior Lecturer, as having ceased to pursue his studies with diligence, he shall thereupon lose the privileges accorded to Medical or Dental Students, until such time as the Medical School Committee report that he has resumed diligent attendance.

If such unfavourable report be made at the end of the Summer Session, the Student will obtain no academic credit for the Arts Lectures he may have attended during the Trinity Term of that year.

11. Medical and Dental Students who do not claim professional privileges may keep their course in Arts by passing the usual Term Examinations and Degree Examination in full. Those who have kept part of their course in this way, may, at any time, claim the privilege of completing it under the scheme detailed above.

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## PRIZES.

The following Prizes, obtainable either during, or at the completion of, the preceding Courses of Education, are open to the Students of the School of Physic.

### MEDICAL AND SURGICAL TRAVELLING PRIZES.

A Prize of £100, founded in 1869, is awarded by the Board, in alternate years, to the best answerer at a special Examination in Medicine or in Surgery, provided that the merit be deemed sufficient. Successful Candidates are required to spend three months in the study of Medicine or Surgery, as the case may be, in Berlin, Paris, or Vienna. Before they can obtain the first instalment of £50, they must satisfy the Senior Lecturer that they possess sufficient knowledge of a Continental Language to derive full benefit from the Prize. The Examination is held in June, and is open to Students who have passed the Final Examination in Medicine or in Surgery, as the case may be, within two years of the Examination.

In order to obtain the second sum of £50, Prizemen must have furnished to the Regius Professor their formal Report on the

Hospitals attended by them, within two years from the time of obtaining the Prize.

The subjects of the Medical Travelling Prize Examination are Clinical Medicine, Practice of Medicine, Therapeutics, Pathology, and Obstetric Medicine.

The subjects of the Surgical Travelling Prize Examination are Clinical Surgery, Operative Surgery, Pathology, Surgical Anatomy, and Ophthalmic Surgery.

In accordance with the above conditions, an Examination in Medicine will be held 13th June, 1921, at which a Medical Travelling Prize, of the value of £100, will be competed for.

A similar Travelling Prize in Surgery will be competed for in 1922.

Notice must be given to the Registrar of the School of Physic fourteen days before the first day of Examination.

#### THE SIR JOHN BANKS MEDAL AND PRIZE.

These were founded in 1907 by Sir John T. Banks, K.C.B., M.D., for twenty years (1849-69) King's Professor of the Practice of Medicine, and for eighteen years (1880-98) Regius Professor of Physic. A bronze Medal is awarded to the winner, and a Money Prize, value about £15, to the second best candidate, at the Medical Travelling Prize Examination.

#### THE EDWARD HALLARAN BENNETT MEDAL AND PRIZE.

These were founded in 1907 by past pupils of E. H. Bennett, M.D., for nine years (1864-73) University Anatomist, and for thirty-three years (1873-1906) Professor of Surgery, in "appreciation of his eminent services to the surgical profession, and of his many acts of kindness to them while students." A bronze Medal is awarded to the winner, and a Money Prize to the second best candidate, at the Surgical Travelling Prize Examination.

#### FITZ-PATRICK SCHOLARSHIP.

This Scholarship was founded in November, 1901, by Mrs. Fitz-Patrick, in memory of her husband, Thomas Fitz-Patrick, M.D. (Dubl.). It consists of the interest on £1000. It will be awarded annually to the Student who obtains the highest aggregate marks at Part II. of the Intermediate, and Parts I. and II. of the Final Examinations, provided that the Student has completed the Medical Course in the prescribed period of five years.

#### MEDICAL SCHOLARSHIPS.

Two Medical Scholarships, founded in 1860, are offered annually, tenable for two years, with a Salary of £20 per annum,

one being for Anatomy and Physiology, the other for Chemistry, Physics, Botany, and Zoology.

The following Regulations have been adopted:—

(1). No Students can compete for the Scholarship in Anatomy and Physiology after the completion of their third year; nor for that in Chemistry, Physics, Botany, and Zoology, after the completion of their second year.

Students who enter the Medical School in a Summer Session will be allowed to compete for Scholarship in Anatomy and Physiology at the end of their Fourth Summer Session.

(2). No Student can hold both Scholarships together.

(3). Sixty per cent. of the marks at the Examination for the Scholarship in Chemistry, Physics, Botany, and Zoology, are allowed to the two former, and the remaining forty per cent. to the two latter subjects.

The best answerers at the Examination are elected to these Scholarships, provided that they have their names on the College Books, have kept one *Annus Medicus* in the School of Physic, have obtained credit for the prescribed Arts exercises, and that their answering is of a high order.

Graduates in Arts otherwise qualified may be Candidates for Medical Scholarships without having their names on the College Books.

Candidates for the Scholarship in Chemistry, Physics, Botany, and Zoology, are recommended to attend the Demonstrations of the Professors of Botany and Zoology during Michaelmas, Hilary, and Trinity Terms.

For dates of Examination, see page 287. Notice must be given to the Registrar of the School of Physic fourteen days before each Examination begins.

Candidates for Medical Scholarship will be allowed to substitute attendance on the Lectures and Demonstrations in Zoology and Comparative Anatomy given in Michaelmas, Hilary, and Trinity Terms for attendance on the Lectures in Zoology given during the Summer Session.

#### DR. HENRY HUTCHINSON STEWART MEDICAL SCHOLARSHIPS.

Dr. Henry Hutchinson Stewart Scholarships in (a) Anatomy and Institutes of Medicine, and in (b) Chemistry, Physics, Botany, and Zoology, of the value of £10 per annum, tenable for three years, are awarded from time to time.

The Regulations for these Scholarships are:—

Students may be of any standing in Arts.

No Student is allowed to compete a second time for a Scholarship in the same subjects.



A Scholarship will be awarded to :—

(a) The Candidate who obtains first place at the Intermediate Examination, Part I, in June, provided that, in the opinion of the Examiners, he obtains High Marks, and

(b) The Candidate who obtains the highest total of marks at the Examination in Physics in March, and the Examinations in Botany and Zoology, and Chemistry, in June, provided that, in the opinion of the Examiners, he obtains High Marks.

No Student may compete for (b) who has been more than two Summer and one Winter Session in the School, or for (a) who has been more than three Summer and two Winter Sessions in the School. Equal marks will be awarded to Anatomy and Physiology in (a), and to each of the four subjects, Botany, Zoology, Chemistry, and Physics in (b).

DR. HENRY HUTCHINSON STEWART SCHOLARSHIPS IN  
MENTAL DISEASE.

These Scholarships are awarded from time to time. They are of value about £50 per annum, and are tenable for three years. The Regulations are as follows:—

An Examination will be held for a Scholarship on June 13th, 1921.

Candidates must have passed the M.B. Examination not more than seven months previously.

The successful candidate must spend not less than six months as resident or outdoor pupil in a recognized Institution for the treatment of Mental Diseases approved by the Board of Trinity College, and under such conditions as they shall from time to time prescribe; this period to be commenced within six months from the date of election.

The Scholarship will not be awarded unless sufficient merit be shown.

No person will be admitted to compete a second time for the Scholarship.

The subjects for the Examination are Mental Diseases and the methods of examining Nervous Tissues.

Candidates are recommended to read:—

*Psychological Medicine* by Maurice Craig.

JOHN MALLET PURSER MEDAL.

The past pupils of John Mallet Purser, M.D., King's Professor of the Institutes of Medicine in the School of Physic, Trinity College, wishing to permanently record their appreciation of him

as a teacher, their respect for him as a scientist, and their regard for him as a friend, at the completion of the twenty-fifth year of his Professorship, subscribed a sum of money for the purpose of founding a medal in the School of Physic to be called the "John Mallet Purser Medal." The dies, which cost £73 10s., and the sum of £42 were handed over to the Board to present annually a bronze medal in Physiology and Histology at the Intermediate Medical Examination, Part I. The Board accepted the gift, and agreed to the following conditions:—

1. That the Medal be called "The John Mallet Purser Medal."
2. That the Medal be awarded annually to the Student who, at the ordinary June Intermediate Medical Examination, Part I., shall obtain the highest marks in Physiology and Histology, provided that, at the same time, the Student is successful in passing the Intermediate Medical Examination, Part I.
3. That no students may compete for the Medal, who, at the time of the Examination, shall have spent more than three years since entering for their first classes in the Medical School.

The Medal is presented to the successful Candidate at the opening meeting of the University Biological Association, which is usually held in November.

#### DANIEL JOHN CUNNINGHAM MEMORIAL MEDAL AND PRIZE.

On November 3rd, 1909, a Meeting of former pupils and friends of the late Professor Daniel John Cunningham resolved to establish a Memorial of his work in connexion with the Medical School of Trinity College, Dublin. It was decided to place a Bronze Portrait Panel in the Department of Practical Anatomy, and to establish a Medal and Prize in Anatomy to be awarded each year at Part I of the Intermediate Examination which is held in June.

The entire work connected with the designs for the Medal and Portrait Panel was entrusted to Mr. Oliver Sheppard, R.H.A. The Panel has been placed in a suitable position in the Dissecting Room of Trinity College, and the first award of the Medal was made in June, 1910.

As a result of communications with the Cunningham Memorial Committee of the University of Edinburgh, it was decided that the Memorials in Dublin and Edinburgh Universities should be on the same lines, and it was arranged that the Bronze Portrait Panels for the Dissecting Rooms of the two Universities should be identical, and that the obverse of the Medals established in Dublin and Edinburgh should also be identical.

The Medal and Prize are awarded to the Student who obtains highest marks in Anatomy at Part I of the Intermediate Examination, held in

June, provided that at the same time he is successful in completing his Examination.

No Student is eligible who, at the time of the Examination, has been longer than three years in the School of Medicine.

#### BEGLEY STUDENTSHIPS.

In Trinity Term, 1905, bequests from William Chapman Begley, B.A., M.B. of £5200, 2½ per Cent. Consols, and from his wife, Jane Begley, of £1004 14s. 6d., for the purpose of endowing four Medical Studentships, were received by the Board.

The Studentships are open to all Undergraduates who have passed the Final Senior Freshman Examination, and who have entered or intend immediately to enter the Medical School. Where the qualification and merits of the Candidates for the Studentships are, in the opinion of the Board, otherwise equal, preference is given according to the seniority of their standing in Arts at the time of their entering the School. Every Student during his tenure shall pursue his studies in the School to the satisfaction of the Board; if he fails to do so, or is guilty of any serious misconduct or breach of College discipline, he shall cease to be entitled to the Studentship, unless for special reasons the Board shall determine otherwise.

One Studentship, value about £37 per annum, tenable for four years, or until the holder becomes medically qualified, is awarded annually about the last Saturday in November. Candidates must apply through their Tutors to the Board, and submit a list of their distinctions in Arts, and also of their distinctions in Medicine, if they have been for some time students in the School.

#### PROFESSORS' PRIZES.

*The Professor of Practice of Medicine* gives Prizes in the Winter Course amounting to £5.

*The Professor of Materia Medica* gives Prizes in the Summer Course amounting to £5.

*The Lecturer on Medical Jurisprudence* gives Prizes in the Summer Course amounting to £5.

All the Professorial awards are open to Extern as well as College Students.

Sessional Examinations in Anatomy are held at which Honor Certificates are awarded to those candidates who show sufficient merit.

## MUSEUMS.

The Museums of Zoology and Comparative Anatomy, of Pathology, of Materia Medica, and of Botany, are open to the Students of the School of Physic for the purpose of Education.

## I.—MUSEUM OF ZOOLOGY AND COMPARATIVE ANATOMY.

*Curator*—HENRY W. MACKINTOSH, M.A., Professor of Zoology and Comparative Anatomy.

The present building was completed in 1876, and contains the Zoological Collection formerly kept in the Regent House; and the Comparative Anatomy Collection, formerly combined with that of Pathology, and kept in the Medical School.

The Zoological Museum was founded in 1777, and contains a large series of typical specimens. The Mammals, Birds, and Reptiles are arranged on the ground-floor. The Amphibians and Fishes are in the gallery. The Invertebrates are arranged in the table cases, with the exception of the Insects, which are in cabinets in the Curator's room. The centre of the hall is occupied by the skeletons of large Mammals and Birds. The Galleries contain the Anatomical collection, and a set of Microscopes, under which are arranged specimens, specially intended for the Students attending the Lectures in Zoology during the Summer Session.

There is a Zoological Laboratory in connexion with the Zoological Department, to which Students are admitted during Term on payment of a Fee of 5s. for the Junior, and 6s. 8d. for the Senior Division per Term. The Laboratory is provided with Microscopes and Appliances, and Students are supplied with specimens.

The Museum is open to Students daily from 11 A.M. to 4 P.M.

## II.—MUSEUM OF SURGICAL AND MEDICAL PATHOLOGY.

*Director*—THOMAS E. GORDON, M.B., Professor of Surgery.

This Museum is intended for the use of the Students in Medicine, and to illustrate the Professors' Lectures. It is open daily to Students from 11 A.M. to 4 P.M.

## III.—MUSEUM OF MATERIA MEDICA.

*Curator*—WALTER G. SMITH, M.D., King's Professor of Materia Medica and Pharmacy.

A Course of Demonstrations on Practical Pharmacy will be given in the Museum of Materia Medica. Each Student will be provided with apparatus and tests.

The Museum is open to Students from 11 A.M. to 4 P.M.



## IV.—ANTHROPOMETRIC MUSEUM AND LABORATORY.

The Museum forms a portion of the Department of Anatomy, and is in the charge of the Professor of Anatomy. Visitors are admitted on application.

## V.—HERBARIUM.

*Keeper of the Herbarium.*—HENRY H. DIXON, Sc.D., F.R.S.

The Herbarium is open for reference during Term. from 11 till 3; and at other times on special application to the Keeper.

It contains—

1. A Herbarium. containing the Plants indigenous to Great Britain and Ireland.

2. A General Herbarium, open to receive the Plants of all countries. This latter is particularly rich in the Plants of North America (including Mexico and California), British India, South Africa, and Australia; and less so in those of South America, North Asia, and parts of Europe..

Donations of specimens from all countries are solicited from Students of the University.

The Board allows an annual sum for the support of the Herbarium.

## BOTANIC GARDENS.

*Director*—H. H. DIXON, Sc.D., F.R.S.

The Gardens are situated about one mile from the College, near Ball's Bridge, and now contain about eight acres of ground.

Since their inception in 1806, the Gardens have been added to in 1832 and in 1848.

The inner or original Garden contains a well-arranged collection of the principal Natural Orders of hardy plants for teaching purposes, and there are also heated plant-houses in which choice and tender exotics are grown.

A small pond is utilised for the growth of aquatic and marsh plants, and there are borders of rock-edging of considerable extent, on which herbaceous, Alpine, and bulbous plants are grown.

Classes for Students in Arts and Medicine are held in the Gardens as occasion arises. Strangers to Dublin are admitted by orders from the Provost, or from any of the Fellows, or Professors.

For the conditions under which keys giving admission to the Gardens are granted to residents in Dublin, application should be made to the Director.

MARY LOUISA PRENTICE MONTGOMERY LECTURERSHIP IN  
OPHTHALMOLOGY.

[Founded in 1915 by the late Robert John Montgomery, M.A.,  
M.B. (Dubl.), F.R.C.S.I.]

The conditions and terms of appointment are determined by the following Resolutions, which have been approved by the Board of Trinity College, and by the President, Vice-President, and Council of the Royal College of Surgeons in Ireland :—

I. The Lecturer shall be appointed for one year, and shall be eligible for re-appointment year by year for a period not to exceed five years.

II. The appointment shall be made for the first five years by the Board of Trinity College, Dublin, after they have considered a report from the Staff of the School of Physic on the merits of the candidates. For the next five years the appointment shall rest with the President, Vice-President, and Council of the Royal College of Surgeons in Ireland, after consideration of a report drawn up by the Staff of the School of Surgery on the merits of the candidates.

III. The Lecturer shall give one or more formal lectures in each year to the members of the Medical Profession and Medical Students in Dublin, upon a subject connected with Ophthalmology to which he has devoted his attention during the previous year.

IV. Candidates for election, and those seeking re-election, are expected to state in what centre, and in what branch of the subject, they propose to study during a portion of the year.

V. The Board of Trinity College, Dublin, and the Council of the Royal College of Surgeons in Ireland, reserve the power of modifying, from time to time, the regulations governing both the appointment and tenure of the Lecturership.

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SIR PATRICK DUN'S HOSPITAL.

*Consulting Physicians.*—John Mallet Purser, Sc.D., M.D., Regius Professor of Physic.

John Magee Finny, M.D.

*Physicians.*—Walter George Smith, M.D., King's Professor of Materia Medica and Pharmacy.

James Craig, M.D., King's Professor of Practice of Medicine.

Henry C. Drury, M.D.

T. Henry Wilson, F.R.C.P.I., King's Professor of Midwifery.

*Surgeons.*—Edward H. Taylor, M.D., Regius Professor of Surgery.  
Sir Arthur Ball, Bart., M.D.

*Pathologist.*—Victor M. Synge, M.D.

*Surgeon to Department for Throat, Nose, and Ear.*—Sir Robt. H. Woods, M.Ch., Honorary Professor of Laryngology and Otology.

*Assistant Physician.*—Edward J. Watson, M.D.

*X-Ray Department.*—Edward J. Watson, M.D.

*Anæsthetist.*—W. C. P. Smyly, M.D.

*House Surgeon.*—T. Madill, M.B.

*Dentist.*—J. I. Kelly, M.Dent.Sc.

## SCHOOLS AND HOSPITALS RECOGNIZED BY THE BOARD OF TRINITY COLLEGE.

The following Dublin Hospitals, in addition to Sir P. Dun's Hospital, are recognized by the Board of Trinity College:—

### *General Hospitals.*

Adelaide Hospital.  
Royal City of Dublin Hospital.  
Dr. Steevens' Hospital.  
Jervis-street Infirmary.  
Mater Misericordiæ Hospital.

Mercer's Hospital.  
Meath Hospital.  
Richmond, Whitworth, and  
Hardwicke Hospitals.  
St. Vincent's Hospital.

### *Ophthalmic Hospital.*

Royal Victoria Eye and Ear Hospital.

### *Midwifery Hospitals.*

Rotunda.  
Coombe.

National Maternity.

### *Hospitals for Study of Mental Disease.*

Richmond Lunatic Asylum. | Swift's.

Courses of instruction taken at the Medical Schools of the following Institutions are recognized by the Board of Trinity College as qualifying for admission to the examinations in the School of Physic, if equivalent to the Courses given therein, provided that no student be permitted to take any of the Degrees in Medicine, Surgery, or Midwifery, unless he has attended at least three of the necessary five years in the School of Physic, Trinity College:—

The Royal College of Surgeons  
in Ireland.  
The Queen's University, Belfast.  
The University College of South  
Wales and Monmouthshire.  
The University of Adelaide.  
The University of Bombay.  
The University of Calcutta.

The University of Lahore.  
The McGill University, Montreal.  
The University of Madras.  
The University of Melbourne.  
The University of Otago.  
The University of Sydney.  
The University of Toronto.

For the terms of admission of Students from the University of Cape Town and the University of South Africa, see pages 83-86.

For the Exhibition awarded to Graduates in Medicine of Melbourne University, see page 86.

## RECOGNITION BY THE UNIVERSITY OF TEACHING INSTITUTIONS WITHIN THE BRITISH DOMINIONS.

*Recognition of Courses, in the case of Students of Medicine, taken at Universities and Colleges of the British Dominions.*

The Board and Council are prepared, in the case of students of medicine, to consider applications from Dominion Universities and Colleges for recognition of courses of instruction given by them the following regulations are complied with:—

1. The application for recognition shall be made to the Registrar of the College, and shall supply information under the following headings:—

- (a) The names of the subjects for the teaching of which recognition is sought.
- (b) The names of the teachers in each subject whose courses are to be recognized, a note of their university degrees, or other qualifications, and a statement of their published work. Particulars regarding the opportunities which each teacher has had of qualifying himself for the work which he undertakes, and of the length of time during which he has devoted himself to the teaching of his subject, should be included.

The names and qualifications of any assistants employed in conducting the courses for which recognition is sought, and a note of the amount of teaching entrusted to each.

- (d) A note of the average number of students attending the courses under consideration.
- (e) A note of the number of lecture hours devoted to each course, of the number of written or *viva voce* examinations held during the progress of the course, and a clear statement of the hours necessarily spent in practical class-work by the students of each subject.
- (f) A detailed syllabus of each course, and a time-table showing the hours at which the various classes meet, and the duration of the courses. The fees charged for the courses of instruction should also be noted.
- (g) A short description of the accommodation which each teacher has at his disposal, and a note of the apparatus, illustrative museum specimens, diagrams, and other appliances which he has for use in his teaching-work.

2. Every recognized Institution shall at the end of each year furnish to the Registrar of the Medical School of Trinity College a statement showing:—

- (a) The number of students who have attended each of the recognize courses in a satisfactory manner.



- (b) A clear statement of any changes which it is proposed to introduce regarding the conduct of the courses for next session.
- (c) A note of any changes made during the year, or proposed to be made, in the personnel of the teaching staff responsible for the recognized courses.

3. A certificate of attendance on a recognized course can only be accepted if it clearly states that the student has satisfactorily performed the work of the class. The certificate must also show the number of attendances made by the student, and the total number of possible attendances. In each certificate, attendance upon practical class-work, lectures, and class-examinations should be distinguished.

4. The University shall, if it thinks fit, defer recognition until an inspection has been made of the accommodation, apparatus, and teaching-appliances of the Institution making application.

5. A recognition once granted may be withdrawn, or suspended, at any time, should the University deem such action desirable.

6. No recognition of courses granted under this scheme will exempt a student wishing to take the degree of the University of Dublin from spending at least three full years of Medical study in Trinity College.

Applications from individual students for recognition of courses taken by them in Colonial Universities or Colleges shall, as hitherto, be decided on by the Board of Trinity College after consultation with the Medical School Committee, and the Tutors' Committee.

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## DATES OF EXAMINATIONS.

### Schools of Physic and Dental Science.

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NOTICE of intention to enter for any Examination must be given to the Registrar of the School of Physic, on the printed forms provided, *not less than fourteen clear days before* the Examination begins. A Tardy Entry Fee of 2s. 6d. for each working day in arrear will be charged up to a maximum of six days, after which no entry can be received.

Certificates, when required, and fees, when due, are to be presented or paid when entering for an Examination; if this be not done, the entry will not be received,

The following Table gives the dates at which the Examinations begin :—

Entrance Examination in Arts for Medical Students—Friday, October 1, 1920 ; Friday, March 18, Saturday, October 1, 1921.

Special Preliminary in Arts for Medical Students—Monday, October 4, 1920 ; Monday, March 21, Tuesday, October 4, 1921.

Preliminary Scientific Medical and Preliminary Scientific Dental—Friday, October 1, 1920 ; Monday, March 7, Monday, June 20, Monday, October 3, 1921.

Preliminary Scientific (Physics and Chemistry only)—Monday, March 14, 1921.

Intermediate Medical Examination—

Part 1.—Friday, October 1, 1920 ; Monday, March 7, Monday, June 20, Monday, October 3, 1921.

Part II.—Friday, October 1, 1920 ; Monday, March 14, Monday, June 27, Monday, October 3, 1921.

Intermediate Dental Examination—

Friday, October 1, 1920 ; Monday, March 7, Monday, June 20, Monday, October 3, 1921.

Final Medical Examination—

Part I.—Monday, October 11, 1920 ; Monday, March 14, Monday, June 20, Monday, October 10, 1921.

Part II.—*Medicine*, Monday, December 6, 1920 ; Monday, March 7, Monday, June 13, Monday, December 5, 1921.

*Surgery*, Monday, November 29, 1920 ; Monday, March 14, Monday, June 6, Monday, November 28, 1921.

*Midwifery*, Monday, November 29, 1920 ; Monday, March 21, Monday, June 6, Monday, November 28, 1921.

Examination for B. Dent. Sc. Degree and M. Dent. Sc. Degree—

Monday, November 29, 1920 ; Monday, March 14, Monday, June 6, Monday, November 28, 1921.

Examination for M. A. O. Degree—

Monday, November 29, 1920 ; Monday, March 21, Monday, June 6, Monday, November 28, 1921.

Examination for M.Ch. Degree—

Monday, November 29, 1920 ; Monday, March 14, Monday, June 6, Monday, November 28, 1921.

**Examination for Diploma in Public Health—**

Part I.—Monday, October 11, 1920; Monday, March 7, Monday, June 20, Monday, October 10, 1921.

Part II.—Thursday, October 14, 1920; Thursday, March 10, Thursday, June 23, Thursday, October 13, 1921.

**EXAMINATIONS FOR PRIZES.**

Begley Studentship—See page 279.

**Medical Scholarship—**

Physics, Monday, March 14, and Chemistry, Botany, and Zoology, Monday, June 20, 1921.

Anatomy and Physiology, Monday, June 20, 1921.

**The John Mallet Purser Medal—**

Awarded for Physiology and Histology at the Intermediate Medical, Part I., in June.

**The Daniel John Cunningham Medal—**

Awarded for Anatomy at the Intermediate Medical, Part I., in June.

**Fitzpatrick Scholarship—**

Awarded annually to the Student who obtains the highest aggregate marks at Part II. of the Intermediate, and Parts I. and II. of the Final Medical Examinations.

Medical Travelling Prize, and Sir John Banks Medal and Prize—Monday, June 13, 1921.

## SCHOOL OF ENGINEERING.

## TEACHING STAFF.

I.—*Mathematics.*

R. A. P. ROGERS, M.A., Fellow and Tutor of Trinity College, Dublin, and Donegal Lecturer in Mathematics in the University of Dublin.

II.—*Mechanics.*

J. FRASER, M.A., Fellow and Tutor of Trinity College, Dublin, and Assistant to the Professor of Natural Philosophy in the University of Dublin.

III.—*Experimental Physics.*

W. E. THRIFT, M.A., HON. M. INST. C.E.I., M.I.E.E.; Fellow of Trinity College, Dublin, and Erasmus Smith Professor of Natural and Experimental Philosophy in the University of Dublin.

HARRY THRIFT, M.A., F.T.C.D.	} Assistants to the Erasmus Smith Professor of Natural and Experimental Philosophy.
H. H. POOLE, SC.D.	

IV.—*Chemistry.*

SYDNEY YOUNG, SC.D., F.R.S., Professor of Chemistry in the University of Dublin.

E. WERNER, SC.D., F.I.C., F.C.S.L., Professor of Applied Chemistry.

W. C. RAMSDEN, F.C.S.I., Assistant to the Professor of Chemistry.

V.—*Geology, Petrology, Mineralogy, and Mining.*

JOHN JOLY, M.A., B.A.I., SC.D., F.R.S., Professor of Geology and Mineralogy in the University of Dublin.

VI.—*Engineering.*

T. ALEXANDER, M.A.I. (*hon. causâ*), M.I.C.E.I., Professor of Civil Engineering in the University of Dublin.

W. E. LILLY, M.A.I., SC.D., M.I.C.E.I.,	} Assistants to the Professor of Civil Engineering.
J. T. JACKSON, M.A.I., M.A.,	

VII.—*Electrical Engineering.*

WM. TATLOW, B.A.I., A.M.I.E.E., Lecturer in the Practice of Electrical Engineering.

Lecturer in Electric Traction.

GEORGE MARSHALL HARRISS, Electrical Engineer to the Dublin United Tramways Company.

VIII.—*Mechanical Engineering.*

W. E. LILLY, M.A.I., SC.D., WH. EX., M.I.MECH.E., Lecturer in Mechanical Engineering,



### *Introductory.*

THE School of Engineering in the University of Dublin was established in the year 1842 for the purpose of affording to such Students as intend becoming Civil Engineers systematic instruction in those branches of knowledge which are most useful to the Engineer in the practice of his profession.

While keeping this object in view, it has been deemed advisable to require the Student, during his Course in the School, to be a member of Trinity College, and subject to its regular discipline, giving him at the same time the opportunity of obtaining the advantages of a general University Education.

### *Membership of Trinity College.*

In order to become a member of the College, it is necessary to pass the Entrance Examination, and pay the Entrance Fee of £15.

The Course for this Examination is given in the Calendar, p. 30, or in the Shorter Programme, p. 2. The dates at which it is held are given in the Calendar, pp. 1\* to 5\*, or in the Shorter Programme, p. 2.

### *Admission to the School of Engineering.*

Having become a member of the College, the Student is eligible for admission to the School of Engineering, which is obtained by his passing a further Examination (in the subjects enumerated below), held annually at the end of Trinity and also at the beginning of Michaelmas Term. Students can join the classes only at the beginning of Michaelmas Term. Students intending to enter must be at the Engineering School at 10 o'clock on the day fixed in the Almanac.

### *Subjects for Entrance Examination to Engineering School.*

Arithmetic.

Algebra (to the end of Quadratic Equations).

Geometry (Euclid, first six Books).

Trigonometry (to the end of Solution of Plane Triangles).

Elementary Mechanics.

Upon passing this Examination the Candidate is admitted to the School, and begins his studies in it.

*Duration and Subjects of Professional Course.*

The Professional Course continues for three or four years, as explained below, from the time of entering the School, during which instruction is given partly by Lectures, and partly in Laboratories and in the Field, being arranged thus:—

FIRST YEAR (JUNIOR CLASS).

Mathematics.  
Mechanics.  
Experimental Physics.  
Chemistry.  
Elementary Geology and Mineralogy.  
Drawing and Practical Geometry.

SECOND YEAR (MIDDLE CLASS).

Practical Mechanics.  
Theory of the Steam Engine.  
Chemistry—Analyses of Ores, Minerals, &c.  
Elementary Geology.  
Drawing, Designing, and Office Work.  
Levelling, Surveying, and General Engineering.  
Electrical Engineering.

THIRD YEAR (SENIOR CLASS).

Mineralogy, Petrology, Field Geology, and Mining.  
Drawing, Designing, and Office Work.  
Levelling, Surveying, and General Engineering.  
Electrical Engineering and Mechanical Engineering.

FOURTH YEAR (OPTIONAL).

Electrical and Mechanical Engineering.

An optional fourth year's Course has been instituted, and Students wishing to make a special study of Electrical Engineering are recommended to do so in this fourth year.

Students taking the ordinary three years' Course are allowed to specialise during part of the third year, and to present themselves accordingly in special Papers at the Final B.A.I. Examination: those who may wish to devote themselves to the ordinary Civil Engineering work being only required to study a certain part of the Electrical Engineering work, and to take at the B.A.I.

Examination a certain part of the Electrical Engineering Examination in addition to the full Civil Engineering Examination; and those who may wish to devote themselves to Electrical Engineering being allowed to substitute the Electrical Engineering Lectures and Demonstrations of the Lecturer in the Practice of Electrical Engineering, for certain parts of the Civil Engineering work, as arranged by the Professor of Civil Engineering, and to be allowed to substitute the Electrical Engineering Examination for two of the Papers set by the Professor of Civil Engineering at the B.A.I. Examination: the Drawing of Students thus specialising will be arranged so as to be suited to their Electrical Engineering work as far as possible.

### *Examinations.*

At the end of the Trinity Term, in each year, the Junior and Middle Classes are examined as to their proficiency in the subjects they have been lectured in previously; and no Student can rise from a lower to a higher Class except he shall have *first* obtained credit for the necessary attendance at the Lectures delivered to his Class, and at Laboratory and Field Work and in the Drawing School, during each of the three Terms of the Academic Year then closing, and also have passed the Examination at the end of the Trinity Term above mentioned or a Supplemental Examination at the beginning of the following Michaelmas Term.

A Student who has failed to pass one of these Examinations may, on payment of half the Fee for the corresponding year, attend over again the Lectures in the subjects in which he was deficient.

A part of the regular Final (or Degree) Examination of the Senior Class is held at the end of Trinity Term, and the remainder in Michaelmas Term. There is also a Supplemental Examination at the beginning of the next Trinity Term.

Students are required to give notice to the Registrar of the School of their intention to present themselves at any of these Examinations at least a week before the commencement of the Examination, and at the same time to send in their Drawings, &c., to the Professor of Engineering or his Assistant.

### *Attendances at Lectures, &c.*

In order to obtain credit for attendance at Lectures, a Student must have attended at least three-fourths of the Lectures delivered to his Class by each Lecturer during each of the three Terms in the Academic Year.

To obtain credit for *Office Work*, &c., the following attendance in the Drawing School is necessary:—

Middle Class, at least 14 hours each week during Term.  
 Senior Class,     ,,   16     ,,     ,,     ,,     ,,

That is, the work done by each Student in the Drawing School from week to week must be equivalent to these numbers of hours of work in the judgment of the Professor of Engineering.

To obtain credit for *Field Work*, the Student must attend during the entire time on at least three out of every four occasions when the Professor of Engineering or his Assistant takes the Class out for practical instruction in the Field.

And he must further make out and plot as many Surveys and Sections as the Professor of Engineering may consider it desirable to require of him, in order to ensure his proficiency in these branches.

The time thus occupied will be credited to the Student as if spent in the Drawing School.

The hours spent at Arts Lectures or Laboratory Work count half that number of hours' attendance in the Drawing School. Notice must, however, be given to the Assistant to the Professor of Engineering during the first week of such attendance.

Eighteen hours' attendance is sufficient for the fortnight within which a Student has to pass an Arts Examination, and a similar notice to that mentioned in the preceding paragraph must be given in order to obtain this remission.

### *Certificate in Engineering.*

Upon concluding the Senior Year of his Course, and obtaining credit for the required attendance at Lectures, and at Field and Office Work, the Student, after passing the final Examination, will be entitled to receive the Certificate in Engineering granted by the Professors of the Engineering School.

### *License in Engineering.*

A Student who has not only completed his Course in the Engineering School, but has also completed the first two years of the Course in Arts, and passed the Final Freshman Examination ("Littlego"), will be entitled to receive the License in Engineering granted by the University.

### *Degree of Bachelor in Engineering.*

A Student who has not only completed his Course in the Engineering School, but also graduated in Arts, will be entitled to proceed to the Degree of Bachelor in Engineering.



*Degree of Master in Engineering.*

A Bachelor in Engineering, who has been actually engaged upon Engineering Works for a period of three years, is entitled to proceed to the Degree of Master in Engineering.

*Diploma in Electrical Engineering.*

A Course in Electrical and Mechanical Engineering is provided for those Students who may study the subject in the Optional fourth year, and a Diploma in Electrical Engineering is awarded to Students taking out this Course satisfactorily.

*Honors in the Engineering School.*

Honors are awarded at the Degree Examination by giving Special Certificates for superior merit in each of the following subjects:—

1. Practical Engineering.
2. Mechanical and Experimental Physics.
3. Mining, Chemistry, Geology, and Mineralogy.
4. Electrical Engineering.

In the first and fourth, Honors are awarded on the results of the corresponding parts of the Degree Examination; in the second, on the combined results of Examinations in the subjects at the close of the Junior and Middle Years; and in the third, on the combined results of Examinations in Chemistry at the close of the Junior and Middle Years; in Elementary Geology at the end of the Middle Year; and in Mineralogy, Petrology, Geology, and Mining at the Degree Examination.

No private Certificate can be issued by any Professor or Lecturer connected with the School.

*Scale of Fees and Charges.***COLLEGE FEES.**

*Entrance Fee* to College (which must be paid at latest within twelve days after his Entrance Examination is passed), . . . . . £15 0 0

*Half-yearly Fee* for keeping name on College Books, payable to the Junior Bursar *before* the first Saturday in May and the first Saturday in November,<sup>a</sup> . . . . . 8 8 0

**ENGINEERING SCHOOL FEES.**

In addition to the foregoing College Fees for Entrance to College and keeping name on Books, the Student will have to make the following annual payments:—

In the Junior Class,	. . . . .	£10	0	0
„ Middle „	. . . . .	£15	0	0
„ Senior „	. . . . .	£15	0	0
„ Optional fourth year, <sup>b</sup>	. . . . .	£15	0	0

<sup>a</sup> For students entering after Jan. 1, 1921, the Fee will be £10 10s.

<sup>b</sup> If the Student paying this Fee be a graduate, he is not required to continue paying the ordinary College half-yearly Fees.

These latter annual payments in the Engineering School should be made to the Junior Bursar *before* Nov. 20 in each year. After the date a fine of 5s. per week commenced is inflicted, and after two weeks the names of all Students whose Fees are then unpaid are removed from the books of the Engineering School.

Students in Engineering requiring to use the Drawing School only, may do so on payment of £5 for the half-year in which they use it.

The Fee for the License in Engineering or for the Degree of Bachelor in Engineering is £1.

The Fee for the Degree of Master in Engineering is £10.

A Fee of 10s. is payable on taking out the *Testimonium* of the Degree of Master in Engineering.

All the Fees are payable to the Junior Bursar, except those for Licenses and Degrees in Engineering, which are payable to the Senior Proctor.

A Student in the Engineering School may, should he so desire, pursue his Course in Arts at the same time, without having to pay any further Fees than those already specified.

Students who have passed the B.A. Degree Examination need not pay the half-yearly College Fee in May of their Senior Year, as their names are kept on the College books till the end of June. Such Students must pay a *liceat ad examinandum* fee of one guinea and the ordinary replacement fee of 15s. before entering for their final Engineering Examination.

### *Laboratories and Museums, &c.*

Attached to the School there are large Laboratories, Museums, and a Model Room, containing numerous valuable models of Engineering Works and Machinery, which are of great assistance to the Students in pursuing their studies.

### *Syllabus of the Course.*

The instruction given to the Students by the different Professors and Lecturers connected with the School is arranged as follows, subject to such modifications and alterations as the circumstances require:—

#### I.—MATHEMATICS.

The Lecturer in Mathematics delivers about 90 Lectures to the Students, during the first year of their Course, upon the following subjects:—

1. Plane Trigonometry, and the nature and use of Logarithms.
2. Differential Calculus.
3. Integral Calculus and Mensuration, &c.

#### II.—MECHANICS, &c.

The Lectures and Demonstrations upon Mechanics and Mechanism, Hydrostatics, &c., extend over the first two years, and reach the number of about 120, the subjects treated of being—

*In the Junior Year—*

Theoretical Mechanics.

Demonstrations with practical instruction in Elementary Mechanics.

*In the Middle Year—*

Applied Mechanics, including Kinematics of Machines.

Demonstrations with practical instruction in Experimental Mechanics and Mechanism.

## III.—EXPERIMENTAL PHYSICS.

The Erasmus Smith Professor of Experimental Physics and his assistants deliver about 52 Lectures to the Junior Class, 30 to the Middle Class, and 20 to the Senior Class, on the subjects enumerated below:—

*To the Junior Class.*

Heat.

Electricity and Magnetism.

Sound and Light.

*To the Middle Class.*

The Theory of the Steam Engine.

Electrical Engineering.

The Steam Engine Lectures are delivered to the Middle Class in Michaelmas Term, the practical work thereon is carried out in Hilary Term, and the Preliminary Theoretical Lectures in Electrical Engineering by the Professor of Experimental Physics are delivered in Trinity Term.

*To the Senior Class.*

Electrical Engineering.

The Professor of Experimental Physics concludes his Course of Lectures in Electrical Engineering in the Michaelmas Term of the Senior year, and all Students are required to attend this Course. The Lecturer in the Practice of Electrical Engineering gives such of his Demonstrations as he considers necessary for all Students in Michaelmas Term; the Special Electrical Engineering Lectures and Demonstrations are given in Hilary and Trinity Terms.

Six Lectures and Demonstrations on the Dublin United Electrical Tramways system are given by the Lecturer in Electric Traction.

In addition to these Lectures, the Students are given Courses of Laboratory Instruction in Physical Measurements, and in studying the electrical installation.

The Students can, at any period of their Course, take out special Courses of practical instruction in Physical Measurements.

## IV.—CHEMISTRY.

The Professor of Chemistry's Lectures and Demonstrations are the following:—

*Junior Class.*

LECTURES.—On three days in each week during Michaelmas and Hilary Terms. As part of the Course, the Students conduct Experiments in one of the Laboratories, which relate, as far as possible, to the processes and materials concerned in the Arts of Construction.

*Middle Class.*

**LABORATORY PRACTICE.**—During four hours in each week, from November to March, inclusive. The Course of Instruction comprises the Qualitative and Quantitative Analysis of Metallic Ores and Minerals, Assays of Metals, Testing Cements, estimation of Carbon in Iron and Steel, Analysis of Water, of Fuels, and of Furnace Gases, &c. In addition (during Hilary Term), Lectures are given on Metallurgical Processes, open to members of both Classes.

**V.—MINERALOGY, PETROLOGY, GEOLOGY, AND MINING.**

*The Junior Class* attend in *Trinity Term* a Course of Lectures introductory to the Sciences of Mineralogy and Geology in so far as these concern the Engineer. In these the Student is instructed in the nature and properties of the more important minerals and rock-forming substances. The Examination, which is held in June, is entirely practical, the Student being expected to identify and pronounce on the nature of such minerals and rocks as have been submitted to him in the Course of the Lectures.

*The Middle Class* attend in *Michaelmas Term* a Course of Lectures in General Geology. This Course (which is also open to Arts Students and to the Public) is prefaced by a School Course of about six Lectures recapitulating and extending the work done in the Junior Year.

The Course on General Geology extends over about twenty Lectures, and embraces Physiography and Physical Geology.

At the Examination held in May a Prize of £5 is awarded for the best answering. The Examination is conducted in part on paper and is in part practical—Minerals and Rock-specimens being submitted for identification.

*The Senior Class—*

In *Michaelmas Term* attend a Course of Lectures on the Mineralogy and Physical properties of the more important Rocks and Building Stones.

In *Hilary Term* a School Course of about eleven Lectures and Demonstrations on Building Stones, followed by a Course in Stratigraphical Geology and Palæontology (open to Arts Students and to the Public) extending over about eighteen Lectures.

In *Trinity Term* a Course of Lectures on Applied Geology, Ores, and Mining.

At intervals, during the year, the Class accompanies the Professor to places of Geological interest in the neighbourhood of Dublin, for practical instruction in the Field.

Candidates for the final Examination are required to prepare an original Geological Section, which must be sent in to the Professor of Geology at least a week before the final Examination. At this Examination a Prize of £10 is awarded on the marks obtained.

The Prizes in Geology and Mineralogy, awarded to second and third year's men, were founded by the Board in December, 1887.



## VI.—ENGINEERING.

During his first year in the School, the Student is instructed in Drawing by the Assistant to the Professor of Engineering, who delivers to the Class three Courses of Lectures, accompanied by Demonstrations (one Course each Term), making about 120 Lectures altogether on the following subjects:—

1. Use of Drawing Instruments, Scales, &c.
2. Practical Examples in Plane Geometry.
3.     "                 "             in Conic Sections.
4. Descriptive Geometry.
5. Shadows, &c.
6. Isometric Projection.

In the second and third years, Levelling and Surveying are taught practically in the Field by the Professor of Engineering and his Assistant; and the Student, when sufficiently expert, is required to perform these operations himself repeatedly and to plot his work on paper.

Regular attendance is also required in the Drawing School, where the object kept prominently in view is to make the Student an intelligent and efficient Draughtsman and familiar with the taking out of Quantities, the calculation of Strains on Bridges, Roofs, and other structures, and Office Work generally.

During the second and third years demonstrations with practical instruction are given on testing cements, a testing machine and other apparatus being provided for this purpose.

A Steam Engine and a Gas Engine are available for instruction. The new equipment of the Electrical and Mechanical Engineering Laboratory includes a Locomotive Boiler and a Compound Condensing Steam Engine of 30 H. P., equipped with feed heater, ejector, condenser, measuring tanks, and other apparatus for taking indicator diagrams and for the carrying out of efficiency tests, coal and water consumption, &c., and an 8 H. P. Gas Engine of the latest type.

In addition to this, during the two years, about 230 Lectures are delivered by the Professor of Engineering as follows:—

## TO THE MIDDLE CLASS.

*On four days of each week of each Term.*

*Surveying.*—Embracing Levelling and Surveying of all descriptions, with the nature, use, and adjustment of the instruments. Plotting plans and sections, and taking out quantities from plans. Construction of Earthwork tables. Simpson's Rules and Amsler's Integrator, and their application to areas, volumes, and the locating of centres of gravity.

*Road and Railway Construction.*—Route and preliminary survey, ruling gradients, equalizing earthworks, profile and side slopes. Formation and maintenance of plank and paved roads, of the Macadam and Telford road and tramway. Setting out railway curves. Execution and drainage of earthworks and rock cuttings. Formation of the permanent way, points and crossings, over and under bridges, culverts, stations. The specification, and estimate, and standing orders of Parliament.

*Descriptive Engineering.*—The technical arrangement of plans and sections of Engineering Works, manner of finishing and marking

dimensions, illustrated by the description in detail, of some work, *e.g.* a bridge. Foundations, piling, concrete, brick and metal cylinders and cofferdams. Tunnelling. Building construction, the preparation, preservation, and testing of the materials used in Masonry, Carpentry, and Metal trades.

*Text Books.*—Rankine's Civil Engineering; Mill's Railway Construction; Seddon's Builders' Work; Aitken's Road Construction.

*Books of Reference.*—Aitken's Road Making; Simms on Tunnelling; Middleton and Chadwick's Surveying; Jackson's Surveying; Johnston's Surveying (American).

#### TO THE SENIOR AND MIDDLE CLASSES.

*On one day of each week of Hilary and Trinity Terms.*

A consecutive Course of descriptive Lectures on some of the subjects comprised under Hydraulic Engineering. Portions of standard works will be prescribed as reading.

On alternate years the subjects may be—*Water Works and River Engineering*, or *Sanitary Engineering, Drainage, and Harbours*.

*Books of Reference.*—Humber's Water Works; Farr's Paper on Moving Loads, Proc. Inst. C.E., 1900; Stevenson's Canals and Rivers; Stevenson's Harbours. Also Harcourt's Works. Turner and Brightmore's Treatise on Waterworks. Moore's Sanitary Engineering. Burton on Waterworks.

#### TO THE SENIOR CLASS.

*On four days of each week of each Term.*

Engineering Science and some applications, *e.g.*—

*Earthworks.*—Rankine's method of the ellipse of stress with Alexander's Kinematic Model, showing its application to the design of embankments, foundations, retaining walls, sea walls, sewers, tunnel roofs, inverts and side walls.

*Strength, Elasticity, and Resilience of Materials.*—Application of Graphic and Analytic Methods, bending-moment and shearing-force diagrams for fixed and moving load systems, illustrated by the Alexander and Thomson Moment Delineator. The distribution of the internal direct and shearing stress for lineal, transverse, and compound states of strain. Lines of stress in beams, illustrated by a polariscope method. Scientific and commercial testing.

*Frame Work Structures.*—Their stability, strength, stiffness, and durability. Graphic Statics. Details, numerical calculation of the ties, struts, beams, stiffeners, stays, and fasteners. Fidler's systematic application of the Rankine-Gordon formula to the design of long struts. Lévy's analyses of triangular trussing with three variables for the form, number of bays, and ratio of depth to span, Fink, Bollman, and other systems. Plate girders and distribution of rivets.

*Block Work Structures.*—The rectangular buttress, piers, chimneys. The equilibrium of the masonry arch. Theoretical equilibrium curves for different loads. The design of the Elliptic Arch by Rankine's

approximations from the linear 'Hydrostatic,' 'Geostatic,' and 'Stereostatic' arches. Tables of the properties of the 'Two-nosed Catenary,' and their application to the immediate and direct numerical design of masonry arches in brick, sandstone, or granite, for dead and live loads.

*Iron Arched Girders, Suspension Bridge, and Compound Structures.*—Rankine's 'Sloping Beam,' its application to the approximate design of arched ribs of uniform stiffness. Simpler parts of Rankine's analysis and Lévy's detailed graphical constructions for completely determining the direct thrusts and bending moments on arched ribs of any section, either hinged at crown or abutments or otherwise fixed and subjected to complete or partial loading. Fidler's treatment of great cantilever bridges.

*Text-Books.*—Rankine's Civil Engineering; Alexander and Thomson's Elementary Applied Mechanics, and Graphic Statics, and Exercises on Graphic Statics.

One or more copies of the following books lie in the office for daily reference, or duplicates may be borrowed from the Lending Library:—

Molesworth Pocket Book; Rankine's Applied Mechanics; Stoney on Strains, 1886; Fidler's Practical Bridge Construction, 1887; Du Bois, Strains on Framed Structures (American), 1883; Walmisley on Iron Roofs; Unwin's Testing of Materials of Construction, 1888; Lévy's Statique Graphique, 1888. Tables and Numerical Examples from Alexander and Thomson's Paper on 'Two-nosed Catenaries' in the *Transactions* of the R.I.A., 1888. Matheson's Aid Book, 1889. Clark's Steam Engine, 1889. Trans. I. C. E. Longmans' Engineering Series, now being published. Marsh's Reinforced Concrete. Lilly's Design of Plate Girders.

#### ENGINEERING SCHEME.

In Trinity Term the Students of the Senior Class in groups of four or five prepare the office and field work of an Engineering Scheme for a short line of Railway, Tramway, Road, or Canal or other work approved of by the Professor of Engineering. The details of this scheme are carried out during the long vacation by the Students themselves. This scheme forms an integral part of the work for Degrees in Engineering.

#### VII.—ELECTRICAL AND MECHANICAL ENGINEERING.

The Lectures of the Professor of Experimental Physics are on the general theory of Electricity as applied to Electrical Engineering.

The Lectures of the Lecturer in the Practice of Electrical Engineering are on the following subjects:—

Generation of electric currents—Continuous current dynamos and motors—Transmission of power—Alternating current generators for single-phase and for polyphase currents.

Synchronous motors, induction motors.

Alternating current transformers—Motor-generators, rotary converters, boosters.



Storage batteries—Switchboards, regulating apparatus, and safety devices.

Distributing systems for the supply of light and power—Measurement of power—Meters.

Wires, cables, and transmission lines—Insulators and insulating materials.

The wiring of buildings for electric light and power—Testing—The use of ordinary electric measuring instruments, testing of magnetic properties of iron, location of faults in dynamos and cables, measurement of efficiency of dynamos and transformers.

Arc and incandescent lamps.

Telephones and signalling apparatus.

General arrangement of plant for electric lighting, and for power transmission—Operation of railways and tramways by electricity—Production of chemicals by electricity.

The Lectures will be supplemented by Practical work in the Laboratory, and Demonstrations on the above.

A Laboratory and workshop has been constructed, which contains a gas engine of 8 H. P. for driving the dynamos, a storage battery, rotary converter, continuous current dynamo, a potentiometer, oscillograph, and outfit of modern electrical measuring instruments.

A supply of three-phase alternating current is available.

#### LABORATORY OF MECHANICAL ENGINEERING.

The Mechanical Engineering Laboratory is under the superintendence of the Lecturer in Mechanical Engineering. Its equipment includes a 10-ton Wicksteed Testing-machine, a Locomotive Boiler and Compound Condensing Engine of 30 H. P., a 8 H. P. Crossley Gas Engine, and a 4 H. P. Tangye Oil Engine. The Mechanical Workshop is fitted with Lathes, Shaping and Drilling-machines, and other Machine-tools for the preparation of specimens for testing and other mechanical work. A part of the Laboratory is fitted up for the testing of Cements: its equipment includes a tensile Testing-machine and other apparatus used in the preparation of samples for testing.

In the Michaelmas and Hilary Terms second year Students attend a Course of Demonstrations, with practical work in the Laboratory, on the following subjects:—

The construction and working of steam, gas, and oil engines.

Indicated and brake horse-power.

The carrying out of tests, coal and water consumption, and other measurements necessary for determining the efficiency of the steam engine.

In the Hilary and Trinity Terms third year Students attend a Course of Demonstrations, with practical work in the Laboratory, in the following subjects:—

The preparation of specimens for testing.

Tests on materials for tension, shear, torsion, bending, and compression.

Tests on columns, and the method of plotting the experimental results.



Lathe and other machine tools.

The apparatus required for the testing of cements, and the tests used in determining the value of a cement.

#### MUSEUM OF NATURAL PHILOSOPHY.

*Curator*—WILLIAM EDWARD THRIFT, M.A., Professor of Experimental Philosophy.

This Museum was founded about the year 1730, when Dr. Richard Helsham was Professor of Natural Philosophy. It contains a collection of various Philosophical Instruments, chiefly in connexion with the sciences of Optics and Practical Mechanics, Theory of Heat, Electricity, and Magnetism. Steps have lately been taken by the Board of Trinity College to place this Museum in a condition more suited to the purposes of modern scientific research, as well as more adapted to illustrate the Lectures given in Natural and Experimental Philosophy. The Instruments are now kept in the new Physical Laboratory, the gift of Viscount Iveagh to the College, along with the instruments purchased out of the funds supplied by him for its equipment.

#### MUSEUM OF GEOLOGY AND MINERALOGY.

*Curator*—JOHN JOLY, Sc.D., F.R.S., Professor of Geology and Mineralogy.

This Museum is intended principally for the use of Students in Engineering. It contains typical collections of Minerals and Fossils, arranged for the use of Students, and also some rare specimens of Fossil Reptiles and Deer.

#### MUSEUM OF ENGINEERING MODELS.

*Curator*—THOMAS ALEXANDER, M.A.I., Professor of Engineering.

This Museum was founded in 1846. It contains a variety of Engineering Models, amongst which will be found a series of models illustrating the progress of invention in the Steam Engine; a model of a Locomotive Engine (scale one-fourth); a model of a Cornish Pumping Engine (scale one-twelfth); a large collection of timber bridges; a model of the lifting apparatus of the Conway Tube; a model of the Boyne Viaduct, and other lattice structures. It contains likewise a complete collection of the weights and measures of the Metric System.

### ST. JOHN'S AMBULANCE CERTIFICATE FOR PROFICIENCY IN FIRST AIDS TO THE INJURED.

Engineering Students may, optionally, take out a short course of lectures in the elementary principles of Physiology and Anatomy, followed by demonstrations in First Aids to the Injured. The Instruction, which will begin in Michaelmas Term, will be such as to qualify the Student to present himself at the examination for the St. John's Ambulance Certificate. The examination may be arranged for any convenient date, and for any number of candidates up to thirty. The cost of the examination, which is £4, is jointly borne by the candidates. There are no fees required for the lectures and demonstrations.

Particulars as regards the hours and dates upon which the lectures and demonstrations are given will be posted in the Hall of the Engineering School.

### LENDING LIBRARY.

In the Trinity College Lending Library there are copies of new and important books on Engineering.

It is open for the lending and return of books on three days of each week during Term, from 1.30 to 2.30 o'clock. A Catalogue can be obtained for one shilling on application to the Clerk in charge. The Lending Library is situated in the Engineering School Building.

### FURTHER INFORMATION.

Communications from persons desirous of further information should be addressed to the Registrar, Engineering School, Trinity College, Dublin.

### DUBLIN UNIVERSITY ENGINEERING STUDENTS' SOCIETY.

The object of this Society is to afford an opportunity for the discussion of subjects of interest to Engineers.

Meetings are held fortnightly in the Engineering School.

The Professor of Engineering is President of the Society.

The Hon. Secretary will be happy to supply any further information regarding the Society.

### DAYS OF EXAMINATION.

#### MICHAELMAS TERM, 1920.

Examination for Degree of B.A.I.,	Begins Monday, Oct. 11.
Supplemental Examinations of Middle and Junior Classes,	} Begin Monday, Oct. 11
Supplemental Entrance Examination,	

#### TRINITY TERM, 1921.

Examination for Degree of B.A.I.,	} Begins Friday, April 22, and Tuesday, June 14 (in part).
Examinations of Middle and Junior Classes,	
Entrance Examination,	Begin Friday, April 22, and Monday, June 20. Saturday, June 25.

#### MICHAELMAS TERM, 1921.

Examination for Degree of B.A.I.,	Begins Monday, Oct. 10.
Supplemental Examinations of Middle and Junior Classes,	} Begin Monday, Oct. 10.
Supplemental Entrance,	

## Indian and Home Civil Service School.

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### University Lectures in Oriental Languages for Selected Candidates for the Civil Service of India.

On the 13th October, 1877, a communication was received by the Provost and Senior Fellows from the Secretary of State for India, stating that Trinity College had been placed on the list of the Institutions in which Selected Candidates for the Civil Service of India will be permitted to reside during their year of "Probation."

Arrangements have been made enabling selected Candidates for the Civil Service of India to complete their studies in Oriental Languages with the aid of Special Lectures given by Professors of the University.

Candidates will be required to elect at the beginning of the Term the Languages in which they wish to be prepared.

Three Lectures in each Language will be given weekly during each of the three Terms of the year, except in Sanskrit and Arabic, in each of which five Lectures weekly will be provided.

Sophisters having credit for full attendance on two of these special courses of Lectures can claim professional privileges; see under "Professional Privileges."

Students who desire to reside in Trinity College, Dublin, during their year of probation, after passing the Open Competition for the Indian Civil Service, will be allowed to put their names on the College Books without Entrance Fee; the College and University Fees during their residence will therefore be £10 10s. half-yearly. Candidates will further have to pay a fee of £2 2s. per Term for the Lectures in the History of India. They will be allowed Residence and Commons on the same terms as other Students, and will not be required to pass Terms in Arts while pursuing their special studies.

The total cost of a year's residence should not exceed £125.

The Lecturers appointed by the Board of Trinity College are as follows :—

Sanskrit, . . . . .	Prof. Canning.
Arabic, Persian, and Hindustani, . . . . .	Prof. L. White King, LL.D.
Tamil, Telugu, Burmese, Hindi, Bengali, and Marāṭhī, . . . . .	Prof. John van Someren Pope, M.A.
History of India, . . . . .	Prof. L. White King, LL.D.
Indian Law, . . . . .	[Vacant].

The Board offer annual Prizes of £10 in Sanskrit, £10 in Arabic, £5 in Hindustani, and £5 in Persian.

It may be added that the Law Courts, Police Courts, &c., in Dublin, afford ample opportunities for Candidates to observe the practice of the Law in its various branches.

Candidates intending to reside in Trinity College are requested to communicate with E. H. Alton, M.A., F.T.C.D., 40, Trinity College, Dublin, who will give any further information which may be required.

## Classes for the Indian, Colonial, and Home Civil Service (Class I.).

1. These Classes are open to all Candidates for the Examination for the Indian, Colonial, and Home Civil Service (Class I.), whether those Candidates belong to Trinity College or not.

2 The Course of Study will be divided, during the current Academic year, 1920-1921, into two Sessions (a Winter Session from October 25th to March 19th, and a Summer Session, from April 18th to June 25th); in each of which Sessions not less than two hours of teaching per week will be given in each Class except during the Christmas Vacation (December 20th to January 15th). This teaching will comprise not only specific instructions directed entirely to the requirements of the Examination, but also guidance to the several Candidates as to the course of private reading which will best suit the needs of each.



3. The Open Examination, at present in abeyance, will be held again in 1921. It is proposed to offer during the Academic year 1920-1921 instruction in most subjects for that Examination.

For further particulars regarding Lectures apply to E. H. Alton, M.A., F.T.C.D., 40, Trinity College.

4. At the end of the Winter Session a General Examination will be held in all the subjects in which instruction has been given; and Prizes will be awarded by the Board, varying from £1 1s. to £4 4s., to every Candidate who is considered to have shown merit of a high order.

5. A Student who belongs to Trinity College shall pay *either* (1) Five Guineas Entrance Fee to the Classes and a Special Fee of  $2\frac{1}{2}$  guineas for each Class which he attends during the Winter Session, and  $1\frac{1}{2}$  guinea for each Class he attends during the Summer Session; *or* (2) he may pay no Entrance Fee, but in that case he shall pay a Special Fee of  $3\frac{1}{2}$  guineas for each Class which he attends during the Winter Session, and  $2\frac{1}{2}$  guineas for each Class which he attends during the Summer Session.

A Student who does not belong to Trinity College shall pay *either* (1) Five Guineas Entrance Fee to the Classes, and a Special Fee of  $3\frac{1}{2}$  and  $2\frac{1}{2}$  guineas for each Class which he attends in the Winter and Summer Sessions respectively; *or* (2) he may pay no Entrance Fee, but in that case he shall pay a Special Fee of  $4\frac{1}{2}$  guineas and  $3\frac{1}{2}$  guineas for each Class which he attends in the Winter and Summer Sessions respectively.

Students who have once paid the Entrance Fee will not be required to pay it again for any subsequent year in which the Classes are continued.

All Fees must be paid to the Registrar of the Classes previous to attendance at any Class. No Lecturer will receive the name of any Student unless he is shown the Registrar's receipt for the Fees.

Students wishing to join these Classes are requested to communicate with the Registrar of the Indian and Home Civil Service School, E. H. Alton, M.A., F.T.C.D., 40, Trinity College, Dublin, who will supply any further information which may be required.

## Army School.

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*Commissions granted.*—Commissions in the following branches of the British Service:—Cavalry, Royal Artillery, Infantry, and Royal Army Service Corps, and in the Indian Army, will be granted to duly qualified candidates nominated each half-year by certain universities, including the University of Dublin.

*Antedate of Commissions.*—The commissions of accepted candidates will be antedated approximately one year, i.e. to such dates as will give those appointed to the Royal Artillery seniority over the Royal Military Academy cadets, and those appointed to other branches of the service seniority over the Royal Military College cadets who passed out of those institutions in July or December (as the case may be) of the previous year.

In exceptional circumstances a candidate who has graduated with first-class honors may be granted such additional antedate, not exceeding six months, as may be recommended by the nomination board and approved by the Army Council. A candidate granted a full additional antedate of six months will receive such total antedate as will give him seniority over the Royal Military Academy or Royal Military College cadets who passed out in December of the previous year but one, or in July of the previous year (as the case may be).

These antedates will not count for the issue of pay or allowances; but in all cases in which increase of pay is dependent on the completion of a fixed period of service, service towards increase of pay will be considered as commencing from the date to which the commission has been antedated. The additional antedate for first or second class honours will count for retired pay,<sup>a</sup> but the ordinary antedate of about one year will not so count.

No candidate will, however, be given an antedate which will make him senior to a university candidate nominated on a previous occasion.

*Qualification of Candidates.*—To be eligible for nomination a candidate must possess the following qualifications:—

General qualifications.—He must:—

- (a) Have attained the age of 21 and not have attained the age of 25<sup>b</sup> on the 15th January for a winter nomination, or the 15th July for a summer nomination.

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<sup>a</sup> No portion of the antedate will count for Indian pension.

<sup>b</sup> A candidate for appointment to the Indian Army must be within the ages of 21 and 24 on the dates named.

- (b) Be unmarried.
- (c) Be, in the opinion of the Army Council, in all respects suitable to hold a commission in the regular army.
- (d) Produce a certificate of good conduct from the head or other competent authority of the university, or a college of the same, in which he has resided.

Academic qualifications.—A candidate must:—

- (a) Reside for three academic years at an approved university or at a college of the same.<sup>a</sup>
- (b) Take a degree in an approved subject or group of subjects.
- (c) For a commission in the Royal Artillery, produce evidence satisfactory to the nomination board that he has duly qualified in the mathematical and science subjects prescribed.

Approved subjects for degree.—Candidates may graduate in any of the subjects, or groups of subjects, current at the several universities, with the exception of Theology, Medicine, and Music.

Military qualifications.—A candidate must obtain the following military qualifications during his residence at his university:—

- (1) He must undergo the military instruction<sup>b</sup> which will form a part of the curriculum of his studies, and he must be in possession of certificate “B.”
- (2) He must be an efficient member of the university contingent of the Officers’ Training Corps each year from the date of his registration as a candidate for a commission in the regular army.
- (3) He must be attached<sup>c</sup> to a regular unit, and obtain a satisfactory certificate as to his proficiency.

Candidates who have served as officers, warrant officers, non-commissioned officers or men for a period of not less than four months in the Royal Navy, Royal Marines, Regular Army, Special Reserve, Indian Army Reserve of Officers, Militia, Territorial Army, Forces of the Overseas Dominions or Royal Air Force will be excused the attachment referred to above.

For further information apply to the Registrar of the Army School, 34 Trinity College, Dublin, or to the Adjutant, Headquarters, D.U.O.T.C.

<sup>a</sup> Unless the university recognizes War Service in lieu of residence or study.

<sup>b</sup> The course of Military Instruction will be that prescribed for certificate “B” examination (O. T. C. Regulations).

<sup>c</sup> Before commencing this attachment, a candidate will be required to have been instructed in squad drill (as laid down in Infantry Training).

## Dublin University Contingent, OFFICERS' TRAINING CORPS.

### COMMITTEE OF MILITARY EDUCATION.

#### *President.*

THE PROVOST OF TRINITY COLLEGE, The Right Hon. and Most  
Rev. J. H. Bernard, D.D., Provost's House, Dublin.

#### *Ordinary Members.*

J. Fraser, M.A., F.T.C.D.  
G. R. Webb, M.A., F.T.C.D.  
Capt. A. A. Luce, D.D., F.T.C.D.  
F. La T. Godfrey, M.A., F.T.C.D.  
Right Hon. Mr. Justice Ross, P.C., 66 Fitzwilliam Square.

#### *Appointed as Officers of the Contingent.*

*The O. C.*—Major G. A. Harris, D.S.O., O.B.E., 31 Sidney  
Parade.

*Cpts.*—Capt. E. H. Alton, F.T.C.D., 5 Dartmouth Road.

Capt. W. C. Ramsden, Trinity College, Dublin.

Capt. A. W. W. Baker, M.D., 59 Merrion Square.

*The Adjutant.*—Capt. M. Stacey, R.M.F., 8 St. Clare's Terrace,  
Harold's Cross.

*Hon. Secretary*—Major Sir Robert W. Tate, K.B.E., F.T.C.D.,  
34 Trinity College, Dublin.

*Headquarters.*—The Headquarters of the Contingent are at the  
Officers' Training Corps Buildings, Lincoln Place, Trinity College,  
Dublin.

All information with reference to the Corps can be obtained  
there, between the hours of 10 a.m. and 1 p.m.; 2 p.m. and  
5 p.m.

*Enrolment.*—Intending Members should attend at Headquarters  
to obtain the enrolment and proposal forms, &c.

Only British subjects of pure European descent, who are  
physically fit, are eligible to join.

*Conditions of Service.*—No oath of allegiance is taken, and no  
liability for Service is incurred. Each member contracts:—

(a) To abide by the rules of the Corps.

(b) To serve for three years (If in possession of Certificate A,  
a member contracts to serve for two years; also former  
Cadets who have served as Officers in the Army may  
join the Corps for a period of one or more years pro-  
vided they join as Cadets. They will in all cases be  
given the rank they held on leaving the Corps).

(c) To make himself efficient during each year of Service.



*Efficiency.*—To be efficient, a Cadet must in each year—

- (1) Attend not less than 15 Instructional Parades (30 if a Recruit).
- (2) Attend Camp for 15 days, and be present at the Annual Inspection, except in case of sickness, duly certified, or leave officially granted.
- (3) Undergo the prescribed training in Musketry (Medical Unit exempt).

*Drills.*—All Instructional Parades are arranged with a view to their causing as little interference as possible with College lectures or athletic engagements, pastimes, etc.

These parades consist of not less than 45 minutes' actual training. Not more than two parades may be counted in any one day.

The times for parades are published in weekly orders, which are posted on the Contingent and Company notice-boards.

*Special Field Days.*—Field days will be arranged, if possible, once or twice a month. Each field day counts two parades.

*Uniform.*—Each Cadet is provided with all necessary arms, uniform, and equipment.

*Camp.*—All expenses, messing, transport, &c., are met by grants paid by the War Office.

*Object.*—The primary object of the Officers' Training Corps is to provide students at schools and universities with a standardized measure of elementary military training, with a view to their eventually applying for commissions in the Regular Army or Special reserve of Officers, or the Territorial Force.

For fuller information, see "Handbook of the Dublin University Contingent, Officers' Training Corps."

## School of Agriculture.

ENTRANCE to the School of Agriculture is open without Examination to students whose names are on the College Books. For others, Entrance is by Examination in general education; to be held in October.<sup>a</sup> The Course for this examination will be English Composition, English History, Geography, Arithmetic, Elementary Algebra and Geometry, and *one* of the following:—Greek, Latin, French, German. The examination may be remitted in the case of students having credit for an equivalent educational test at any well-recognized institution. Entrance fee for external students, one guinea.

### EDGE EXHIBITIONS.

Edge Exhibitions, one of the value of £4, and another of the value of £2, are awarded by the Board at the end of the studies of the first year on a report from the Registrar of the School of Agriculture.

At the Final Examination, Edge Exhibitions, one of the value of £10, and another of the value of £4, are awarded on the general results of that examination.

The Exhibitions are limited to students on the College Books, or Graduates of Trinity College, Dublin.

*(The Board and Council have approved of the following scheme of co-operation with the Department of Agriculture and with the Royal College of Science for Ireland):—*

### FIRST TWO YEARS (taken at Trinity College).

#### *First Year.*

Mathematics.  
Physics (general).  
Practical Meteorology.  
Chemistry (general principles).  
Drawing.  
Arts.

#### *Second Year.*

Analytical Chemistry and Practical  
Organic Chemistry.  
Mechanics and Mathematics.  
Zoology.  
Botany.  
Geology.  
Arts.

### SECOND TWO YEARS (taken at the Royal College of Science).

#### *Third Year.*

Agriculture.  
Agricultural Chemistry.  
Agricultural Geology.  
Agricultural Engineering.  
Arts (at Trinity College), with  
professional privileges.

#### *Fourth Year.*

Agriculture.  
Agricultural Zoology.  
Agricultural Botany.  
Agricultural Bacteriology.  
Veterinary Hygiene.  
Arts (at Trinity College), with  
professional privileges.

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<sup>a</sup> Candidates must send notice (addressed to the Registrar of School of Agriculture, Trinity College, Dublin) of their intention to enter, before the 1st October.

According to this scheme (which is on the lines of that framed by the Department) the student spends his first two years in the School in studying the general principles of the sciences which later find practical application in the scientific study of agriculture. He keeps the usual Freshman terms in Arts, and, if desirous of proceeding to the Degree in Agriculture, he also keeps the Sophister terms in Arts. During the Sophister years he receives "professional privileges" in Arts.

At the conclusion of the first two years the student is examined in the Science Courses pursued by him. This examination is conducted in Trinity College and by the Examiners of the University.

During the second two years the student studies Agriculture and Agricultural Science in the Royal College of Science and at the Farm at Glasnevin. During one of these years the student carries out research in Agricultural Science under the direction of one of the Professors or Lecturers of the Royal College of Science. Students who aim at obtaining a Diploma in the University of Dublin, and do not seek the Degree (Agr. B.) need attend no Arts lectures in Trinity College after passing the Final Freshman Examination. They would, after their first two years, take a less specialized course than that required for the Associateship of the Royal College of Science.

The final examination in Agriculture and Agricultural Science is conducted in the Royal College of Science, and mainly by the Professors of that College; but the University of Dublin is represented at that examination by an examiner appointed by Trinity College, and extern to the Royal College of Science.

The following particulars apply to the Courses pursued during the first two years in Trinity College. For the Courses pursued during the second two years the student must make application to the Royal College of Science for Ireland.

### First Year.

*Mathematics*, including Mensuration—

Three lectures per week during Michaelmas Term.

Fee for course for External Students,<sup>a</sup> three guineas; for Arts Students, two guineas.

*Physics* (general)—

Simple Measurements, Elementary Hydrostatics, Pneumatics, Heat, etc., delivered by the Professor during Michaelmas and Hilary Terms.

Fee for External Students, two guineas; free to Arts Students.

*Practical Meteorology*.—During Trinity Term.

External Students pay two guineas; Arts Students, one guinea.

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<sup>a</sup>External Students are Students, other than Graduates, whose names are not on the College Books.

*Chemistry—*

(a) The course of lectures on General Chemistry, three times per week during Michaelmas and Hilary Terms.

(b) Practical Chemistry, three afternoons in the week during Michaelmas and Hilary Lecture Terms, and as far as practicable, during the interval between these terms, on three days in the week.

(c) Practical Chemistry during Trinity Term according to time available.

Fee for course—External Students, six guineas ; Arts Students, five guineas.

*Drawing (Geometrical).—During Trinity Term.*

Fee for External Students, three guineas ; for Arts Students, two guineas.

[Total fees—External Students, sixteen guineas ; Arts Students, ten guineas.]

**Second Year.***Chemistry—*

(a) Twelve or more lectures and demonstrations on Analytical Chemistry. (b) Practical work in the laboratory (quantitative analysis) three days a week during two terms, and, if practicable, during the third term.

Fee for course—External Students, six guineas ; Arts Students, five guineas.

*Mechanics and Applied Mathematics—*

Three lectures per week in Michaelmas Term.

Fee for External Students, three guineas ; Arts Students, two guineas.

*Zoology—*

Three terms as given to Junior Sophisters.

Fee for course—External Students, four guineas ; Arts Students, three guineas.

*Botany—*

The lectures and demonstrations of the Professor, extending over ten weeks during Trinity Term.

Fee for External Students, three guineas ; for Arts Students, two guineas.

*Geology—*

The Professor's lectures and demonstrations over Michaelmas and Hilary Terms.

Fee for External Students, three guineas ; for Arts Students, two guineas.

[Total fees—Externals, nineteen guineas ; Arts, fourteen guineas.]

The fee for the Degree in Agriculture (Agr. B.) is £5.



## School of Forestry.

THE Courses in Forestry of the Royal College of Science are open to Students of Trinity College in the School of Agriculture, replacing the agricultural work of the second two years of the School of Agriculture.

The Courses in Forestry would be taken at the Royal College of Science, and would be as follows:—

### 3RD YEAR.

(a) *October to June—3 Terms.*

Forestry.  
 Forest Engineering and Surveying.  
 Forest Zoology.  
 Forest Botany, including Structure of Timber and Diseases of Trees.  
 Soil Geology.  
 Elementary Agriculture.  
 Arts (at Trinity College), with professional privileges.

(b) *July to September.*

Outdoor work for three months at Avondale, or in an approved Irish or British Forest.

### 4TH YEAR.

(a) *October to March—2 Terms.*

Forestry.  
 Forest Botany, including Structure of Timber and Diseases of Trees.  
 Forest Zoology.  
 Forest Chemistry.  
 Practical Work on Excursions.  
 Arts (at Trinity College), with professional privileges.

(b) *Third Term—April to June.*

Outdoor work for three months in an approved Continental Forest.

These Courses, along with the first two years' curriculum of the School of Agriculture, as at present arranged, would entitle the Student to the Diploma in Agriculture (Forestry) of the University; or, provided the B.A. has been obtained, to the Degree in Agriculture (Forestry), Agr. (Forest.) B. The fee for the Degree is £5.

## Examinations for Qualifications in Education.

The Examinations for Qualifications in Education are held twice a year. The candidates are first examined in Theory and History ; and if their answering be satisfactory, they are called on to teach before the Examiners.

Three Qualifications are granted—viz. the Certificate in Elementary Education, the Diploma in Education, and the Diploma with Distinction.

Candidates must produce satisfactory evidence (*a*) that they are of good character ; (*b*) that they have had sufficient experience of teaching (which must extend over a year at least), or have undergone a year's training at a recognized Training College ; and (*c*) that their scholastic attainments are adequate.

The usual requirement for admission to the Examination for the Diploma in Education is that the candidate shall have graduated in some University under the British Crown. For the Certificate in Elementary Education, the candidates must have passed the "Final Examination of King's Scholars," or must have been ranked as First or Second Class Teachers under the rules of the Board of National Education in Ireland in force before the year 1900.

For the year 1921 all candidates for Qualifications in Education are expected to study—

Dumville, *The Fundamentals of Psychology* (University Tutorial Series, W. B. Clive).

Welton, *Logical Bases of Education* (Macmillan).

Bagley, *The Educative Process* (Macmillan).

Culverwell, *Montessori Principles and Practice*.

Monroe, Text Book in the *History of Education*, chap. vi. to end (Macmillan).

They are also required to show a general knowledge of the Hygienic Principles bearing on Schools and School-work.

Candidates for the Certificate in Elementary Education are expected to study, in addition to the above, Salmon's *Art of Teaching*, or Landon's *Principles and Practice of Teaching and Class Management*.

Candidates for the Diploma in Education are expected to study a more extensive Course, to be arranged or approved by the Examiners, including other works set for the Arts Course in Education.

The Diploma with Distinction is granted on the result of a second and stricter examination. Those only will be admitted who have attained a high standard at a previous Diploma Examination.

Essays by candidates may be required in addition to Examination in the Hall.

Candidates must also select, from the following list, certain subjects in which they are prepared to give lessons before the Examiners. In the case of candidates for the Certificate not less than five subjects should be named; other candidates may, if the Examiners approve, select fewer subjects. The list of subjects selected must be sent to the Registrar of the School of Education, so that it shall be received a fortnight before the stated date of the Examination in Theory and History.

1. Arithmetic. 2. Algebra. 3. Euclid. 4. Elementary Science.
5. English Literature. 6. History. 7. English Grammar and Composition. 8. Physical and Descriptive Geography. 9. Kindergarten. 10. Object Lesson. 11. French. 12. German. 13. Latin.
14. Greek.

If candidates show sufficient merit at the Examination in Theory and History, the Examiners will direct them to prepare and send for their inspection copies of their notes of certain lessons in the subjects they have selected. A suitable class will be provided on the day arranged for the Examination (which will be chosen, as far as possible, to meet the convenience of the candidates); and in addition to one or more of the prepared lessons, the Examiners may call upon the candidates to give a short unprepared lesson in any one of the subjects they have selected.

The fee payable for the Diploma Examination is £2 2s. for Graduates of the University of Dublin, and £4 4s. for other candidates, except those seeking only the Certificate in Elementary Education, who pay £3 3s.; it may be paid in equal moieties if the Examinations in Theory and in Practice are taken at different dates; and a candidate who fails to reach the desired standard may, with the permission of the Examiners, be allowed to present himself a second time for either examination on payment of £1 1s. The fee for the additional Examination for the Diploma with Distinction is £1 1s., for graduates of the University of Dublin, and £2 2s. for other candidates.

In 1921, the Examination in Theory and History will be held on Friday and Saturday, April 22, 23; and on Friday and Saturday, October 21, 22.

The dates on which the candidates are required to teach before the Examiners will be arranged as far as possible to suit the convenience of the candidates who have entered their names.

Candidates must send their fees to the Registrar of the School of Education a fortnight before the date of the Examination.

Further information will be supplied on receipt of a stamped and directed envelope.

## Diploma in Economics and Commercial Knowledge.

1. This Diploma will be granted for proficiency in the various branches of a higher business education, as tested by an Examination.

2. The Examination will be open to anyone who can produce evidence (*a*) that he is of good character; (*b*) that he has a satisfactory Preliminary Education: *e. g.*, that he has matriculated in any University or University College; has passed the Middle or Senior Grade Intermediate Examination; has the certificate of any recognized Technical School or School of Commerce; or possesses any other qualification deemed sufficient by the Board.

3. The Examination will be held annually on days named in the University Almanac. In 1921 it will be held on April 12, 13, 14, and 15. It shall be in the power of the Examiners, if it is thought advisable, to hold parts of the Examination at night, a week's notice at least being given to the candidates.

4. Candidates will be required to give at least *one* month's notice of their intention to compete for any portion of the obligatory subjects of the Examination: and at least *three* months' notice of the special optional course or courses which they intend to offer.

5. The Course for the Examination will be as follows:—

### OBLIGATORY SUBJECTS.

#### I.—*Economics, Descriptive and Theoretical.*

Candidates will be required to have a general knowledge of the scope and method of economics, and the principles of production, exchange, and distribution. Also an acquaintance with the chief forms of industrial organization, especially those existing in the United Kingdom.

[Nicholson, *Elements of Political Economy*, or Devas, *Political Economy*, may be used as a convenient text-book. Marshall, *Elements of Economics*; Hadley, *Economics*; and Pierson, *Principles of Economics*, Vol. I., will be found useful for additional reading.]



II.—*Economic and Commercial History.*

The outlines of the industrial and commercial development of Great Britain, Ireland, and the Colonies during the eighteenth and nineteenth centuries. Particular attention should be paid to the growth of the great industries and the progress of trade.

[T. Warner, *Landmarks of English Industrial History*, may be used as an introduction. For Irish History, Murray, *Commercial Relations between England and Ireland*. For reference, Meredith, *Economic History of England*, and Cunningham, *Growth of English Industry and Commerce*, Vol. II.]

III.—*Commercial Geography.*

- (a) General physiographical conditions.
- (b) The chief economic products.
- (c) The economic conditions and resources of the chief countries the world.
- (d) Trade routes.

[Chisholm, *Smaller Commercial Geography*, or Adams, *Commercial Geography*. For additional reading Chisholm, *Handbook of Commercial Geography*, is recommended.]

IV.—*Accountancy and Business Methods.*

- (a) The principal forms of accounts. The preparation of a Balance sheet. Cost-taking. Depreciation and the formation of reserves.

- (b) Organization of business departments. Office work.

[Cropper, *Book-keeping and Accounts*.

Lisle, *Accounting in Theory and Practice*.

Dicksee, *Office Organization*.]

V.—*Commercial and Industrial Law.*

- (a) The law of contract. The principal trade contracts. Company law. Negotiable instruments.

- (b) The factory code. Workmen's compensation. Employers' liability.

[Steven, *Mercantile Law*.

Redgrave, *The Factory Acts*.

For further reading, Topham, *Company Law*, and Anson, 'Contracts' are recommended.]

## OPTIONAL SUBJECTS.

[Of which one under each head may be taken.]

VI.—*A Modern Language.*

- (1) French.
- (2) German.
- (3) Spanish.

Candidates will be tested in translation from and into English, dictation, and conversation.

VII.—*Special Economic Subjects.*

Candidates who take one of the Optional Economic subjects will be expected to possess a fuller knowledge of the theory and of the facts relating to the subject that they select. Particular attention should be given to the modern developments in theory and to the existing conditions.

(1)—*Money and Monetary Systems.*

Definition and historical development of money. The conditions that determine the value of money. The different monetary systems. The history of the English currency. Monetary changes in the nineteenth century. Controversies respecting the standard of value. The actual monetary systems of the world.

[Jevons, *Money*, and Nicholson, *Money and Monetary Problems*, are recommended.

F. A. Walker, *Money*, Withers, *The Meaning of Money*, and Conant, *The Principles of Money and Banking*, may be used for further reading.]

(2)—*Foreign Trade.*

The nature of foreign trade and the conditions on which its development depends. Values in foreign trade. The use of money in foreign trade. The foreign exchanges. Imports and exports. The regulation of foreign trade and its effects. Customs duties.

[Fisk, *International Commercial Policies*.

Giffen, *The Use of Import and Export Statistics*.

Clare, *The A B C of the Foreign Exchanges*.]

(3)—*Taxation.*

The development of taxation. The different kinds of taxes. The principal rules of taxation. Direct and indirect taxation. General and local taxation. The incidence and effects of taxation.

[Plehn, *Public Finance*, Part II., or G. Armitage Smith, *Taxation*, is recommended as an introductory book.

Blunden, *Local Taxation*, and J. S. Mill, *Principles of Political Economy*, Book V., chaps. 2-6, may be used for further reading.]

(4)—*Associations and Combinations in Trade and Industry.*

(a) The growth of association in the modern economic system. Trusts and Kartells. Combination and monopoly. The control of combinations by the State.

(b) The rise and growth of Trade Unionism. Effects of workmen's combinations. Modern Trade Union problems.

[Jenks, *The Trust Problem*, and Howell, *Trades Unionism Old and New*, are recommended.

J. B. Clark, *The Control of Trusts*.

M'Crosty, *The Trust Movement in British Industry*.

S. and B. Webb, *The History of Trade Unionism*, may be used for additional reading.]

(5)—*Statistics and Statistical Methods.*

Nature and scope of statistics. Use of averages. Tabulation. Sampling. Elementary graphic methods. The use of index-numbers. Tests of accuracy. The statistics of population, trade, prices, wages, and employment.

[Bowley, *An Elementary Manual of Statistics*, is recommended as a convenient introductory book. For further reading, Mayo-Smith, *Statistics and Economics*, may be used.]

VIII.—*Special Subjects in Economic and Business Organization.*

Candidates who take one of the Optional Business subjects will be expected to have an adequate knowledge of the development of the class of business and of its organization. The methods pursued, and the economic principles underlying them, should also be studied.

(1)—*Banking and Credit Institutions.*

The functions of banks. Credit as an economic agent. The growth of banking in Great Britain and Ireland. Banking legislation. The Bank Charter Act, 1844. Modern banking problems. Banking in other countries.

[Dunbar, *Theory and History of Banking*, is recommended as an introductory text-book.

Clare, *Money Market Primer*.

Bagehot, *Lombard Street*;

and

Rae, *The Country Banker*, will supply a general account of British banking.

For the law of bills, cheques, and promissory notes, Chalmers, *Bills of Exchange Act, 1882*, should be read.

For reference, Hart, *Treatise on the Law of Banking*; or Chalmers, *Digest of the Law of Bills of Exchange, &c.*]

(2)—*Railways and Transport Agencies.*

The rise of the modern transport system. The railways of Great Britain and Ireland. Principles of railway rates. Legislation respecting railways. Competition and combination in transport. The general features of foreign railway systems.

[Acworth, *Railway Economics*, and Hadley, *Railroad Transportation*, are recommended.

Findlay, *Working and Management of an English Railway*, Grierson, *Railway Rates*, may be consulted.]

(3)—*Insurance.*

The general character of insurance. The different kinds of insurance. The theory of insuring risks. Growth of insurance business. Insurance Law.

[T. E. Young, *Insurance.*

F. Harcourt Kitchin, *The Principles and Finance of Fire Insurance.*

W. Schooling, *Life Insurance Explained.*

W. Gow, *Marine Insurance.*

C. F. Morrell, *Insurance: a Manual of Practical Law.*]

(4)—*Agriculture.*

The different systems of farming. Small and large farms. Land-rent and its variations.

Combination in agriculture. Farmers' associations. Agricultural credit. Insurance. The effect of markets on agriculture. Transport charges. Fluctuations in prices. Model farms. The State and agriculture. Effects of taxation.

[Taylor, *Agricultural Economics*; Rogers, *The Business Side of Agriculture*; Pratt, *Organization of Agriculture*, and The Report of the Recess Committee, are recommended.]

6. Candidates, in order to obtain any credit for the Examination, must pass in *three* subjects, of which Economics, theoretical and descriptive, must be one.

Candidates who satisfy this condition may pass in the remaining subjects at a subsequent Examination.

The Diploma will not be issued until the candidate has passed in all the obligatory subjects.

7. The Diploma will be given for proficiency in the Obligatory portion of the Examination. The Optional Courses, in which the candidate passes, will be further specified on the Diploma. Exceptional excellence in any subject will also be indicated.

8. Members of Trinity College will be allowed to present themselves for the Examination each year on payment of a fee of One Guinea. Candidates who are not members of Trinity College shall pay a fee of Two Guineas each year. The fees should be paid to the Junior Bursar not later than three days before the commencement of the Examination.

9. The obtaining of this Diploma will be accepted as equivalent for the exercises required for keeping the Hilary and Trinity Terms of the Senior Sophister year, but not for the B.A. Degree Examination.

10. Candidates who propose to present themselves for the Examination for this Diploma should communicate with Professor C. F. BASTABLE, Trinity College, Dublin, who will give any further information which may be required.



## Diploma for Women in Religious Knowledge.

1. The Examination shall be under the direction of the Regius Professor of Divinity, and shall be open to all women, whether members of the University or not.

2. It shall consist of three divisions, one or more of which may be taken at any time, and in any order.

3. It shall begin usually on the Wednesday next after October 9th, January 9th, and April 14th; and candidates shall send their names to the Lady Registrar, 5, Trinity College, not less than one month before the date of the Examination, stating for which division or divisions they intend to offer themselves. In the years 1920, 1921 the Examination will begin on October 13, 1920, and January 12, April 20, October 12, 1921.

4. If a candidate fails in *one* paper, she may add that paper to the next division for which she enters; but if she fails in any paper in the last of her three divisions, she must take the whole of that division again.

5. The fee payable for each division shall be £1 1s. for women who have matriculated in the University, and £2 2s. for those who have not. This must be paid to the Junior Bursar at the same time that application is made for admission to the Examination.

6. Successful candidates will receive a Diploma in the following form:—

Omnes quibus haec charta perveniat certiores facimus A. B. in sacris litteris sedulo operam navasse tribus examinationibus rite peractis.

————— Praepositus.

————— Sacrae Theol. Regius  
Professor.

7. The subjects for examination shall be as follows:—

### *Division I.*

PAPER 1. The history and religious thought of Israel to the accession of Uzziah.

2. The four Gospels in English.

3. The history and the contents of the Apostles' and the Nicene Creeds.

*Division II.*

4. The history and religious thought of Israel from the accession of Uzziah to the close of the Old Testament.
5. The Acts and Epistles in English, including the occasion and destination of the several Epistles.
6. (a) The history of the Celtic Church and of the Anglo-Norman Church in Ireland. (b) The history of the Church in England from the accession of Edward III to the accession of Queen Anne.

*Division III.*

7. The history and contents of the Book of Common Prayer, with special reference to Baptism and the Holy Communion.
8. The history of the Christian Church (excluding the New Testament) to the Council of Chalcedon.
9. One of the following :—

The Book of Genesis in Hebrew.

The Epistle to the Romans in Greek.

The comparative study of religions.

\* \* All questions in Divisions I and II on the text of the Old and New Testaments will have reference to the Revised Version.

Candidates will not be examined in particular books, but the following, among others, will be found useful for study :—

- PAPERS 1 AND 4. Wade, *Old Testament History*, London, 1901; Foakes Jackson, *The Biblical History of the Hebrews*, Cambridge, 1909; Chapman, *An Introduction to the Pentateuch*, Cambridge, 1911; W. R. Smith, *The Prophets of Israel*, London, 1895; *The Old Testament in the Jewish Church*, London, 1892; G. A. Smith, *The Book of Isaiah*, London, 1889; *The Book of the Twelve Prophets*, London, 1896; Kautzsch, *Article Religion of Israel*, in *Hastings' Dictionary of the Bible*, extra vol.
2. Sanday, article *Jesus Christ*, in *Hastings' D. B.*, vol. ii, afterwards published as *Outlines of the Life of Christ*, Edinburgh, 1906; *Studies in the Synoptic Problem*, ed. Sanday, Oxford, 1911; J. A. Robinson, *The Study of the Gospels*, London, 1902; J. M. Thompson, *The Synoptic Gospels arranged in Parallel Columns*, Oxford, 1910.
  3. Swete, *The Apostles' Creed*; Burn, *The Apostles' Creed*, London, 1906; *The Nicene Creed*, London, 1909; Bp. Gibson, *The Thirty-nine Articles*, London, 1898, Exposition of Articles i-v and viii.

5. Conybeare and Howson, *The Life and Epistles of St. Paul*; Hort, *Judaistic Christianity*, Cambridge, 1894; Ramsay, *St. Paul the Traveller and the Roman Citizen*, London, 1897; Rackham, *The Acts of the Apostles*, London, 1901; Kirsopp Lake, *The Earlier Epistles of St. Paul*, London, 1911.
6. Perry, *A History of the English Church*, vols. i, ii, London, 1881; *A History of the Reformation in England*, London, 1886; Stephens and Hunt, *A History of the English Church*, vols. iii-vi, London, 1899; Stokes, *Ireland and the Celtic Church* (ed. 6, Lawlor), London, 1907; *Ireland and the Anglo-Norman Church*, London, 1889.
7. Procter and Frere, *A History of the Book of Common Prayer*, London, 1908; Srawley, *The Early History of the Liturgy*, Cambridge, 1913; Swete, *Church Services and Service-books before the Reformation*, London, 1896; Dowden, *The Workmanship of the Prayer-Book*, London, 1899; *Further Studies in the Prayer-Book*, London, 1908.
8. Foakes Jackson, *History of the Christian Church* (to 451 A.D.), Cambridge, 1914; Gwatkin, *Early Church History* (to 313 A.D.), London, 1912; Bright, *The Age of the Fathers*, London, 1903; Bethune-Baker, *An Introduction to the Early History of Christian Doctrine*, London, 1903.
9. *Genesis*: Spurrell, *Notes on the Hebrew Text of the Book of Genesis*, Oxford, 1896.  
*Romans*: Sanday and Headlam (Internat. Crit. Comm.), Edinburgh, 1902.  
*Comparative Study of Religions*: W. R. Smith, *Lectures on the Religion of the Semites*, London, 1894; Cumont, *Les Religions Orientales dans le Paganisme Romain*, Paris, 1909; Geden, *Studies in the Religions of the East*, London, 1913; Jevons, *Comparative Religion*, Cambridge, 1913; Legge, *Forerunners and Rivals of Christianity*, Cambridge, 1915.

In addition to the above, articles in the following dictionaries may frequently be consulted with advantage:—For Papers 1, 2, 4, 5—Hastings' *Dictionary of the Bible*; for Papers 7, 9 (Comparative Study of Religions)—Hastings' *Encyclopædia of Religion and Ethics*; for Paper 8—Wace and Piercy's *Dictionary of Christian Biography*.

## University Appointments Association.

THIS Association was formed in 1902, under the sanction of the Board of Trinity College, with the object of assisting Students and Graduates of the University to obtain appointments and employments at home or abroad, under the Government or otherwise.

The Executive Committee of the Association keep a Register of Students and Graduates desiring appointments, with a record of their qualifications. They collect and supply to those who register, information as to posts vacant, either at home or in the Colonies, in the various branches of the Civil Service, in Medicine, Engineering, Scholastic work, &c.; and endeavour to place applicants in communication with Boards, Firms, Agencies, &c., who desire to find men to fill such posts.

Those who wish to place their names on the Register should obtain from the Secretary a Form of Application, and subsequently should notify the Secretary in case of change of address. The Committee will not undertake to recommend for an appointment any applicant of whose fitness they are not satisfied.

The Committee hope that Graduates who reside at a distance will join the Association as corresponding members, and will co-operate by keeping the Secretary informed as to openings that may offer in different lines.

No fees are charged.

All communications should be addressed to the Secretary.

On 21st December, 1918, the work of the Association was reorganised to co-operate with the Ministry of Labour in meeting the situation brought about by the termination of the war.

A small Committee was appointed with the following terms of reference :—

“To deal with the business of finding appointments and work for members of the College, especially for those who are serving with the Forces, and wish to get back to civil life on demobilisation.”

Subsequently this Committee was given power to co-opt additional members.

### *Committee.*

Edward John Gwynn, M.A., Fellow.

William E. Thrift, M.A., Fellow and Professor of Experimental Philosophy.

William Kennedy, M.A., Fellow and Tutor.

William A. Goligher, M.A., Litt.D., Fellow and Tutor.

James Thomas Jackson, M.A., Assistant to the Professor of Civil Engineering.

Joseph Johnston, M.A., Fellow and Tutor, *Secretary*.



## Library of Trinity College.

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### *Library Hours.*

THE Library is open on week-days, except Saturday, from 10 to 4 o'clock, from February 1 to October 31; and from 10 to 3 o'clock during the months of November, December, and January; and on Saturdays throughout the year from 10 to 1 o'clock.

The Reading Room is open on week-days from 10 to 6 o'clock, except during the months of July and August, when it closes at 4 o'clock, and except on Saturdays throughout the year, when it closes at 1 o'clock.

The Reading Room is also open in the evening from 7 to 10 o'clock, except on Saturdays, and during the months of July and August.

The Library (including the Reading Room) is closed on Christmas Day, and the three week-days following; on Good Friday, Easter Eve, and Easter Monday; on Monday in Whitsun Week; and on the Bank Holidays, St. Patrick's Day, the King's Birthday, and the first Monday in August. It is also closed for a fortnight in July at a date fixed in the Calendar.

### *Admission of Readers.*

Life Admission is granted only to Graduates of the Universities of Dublin, Oxford, and Cambridge.

Six-month tickets are issued to Undergraduates of Trinity College in their Sophister years.

Six-month tickets are issued to Undergraduates in their Freshman years, on recommendation by their tutor, with the approval of the Board.

Six-months' tickets may be granted by the Provost, on the recommendation of the Librarian, to strangers not being Students or Graduates. To avoid overcrowding, these tickets may be restricted so as to admit only between specified hours.

All readers, on admission, are required to make and sign the Library Declaration before the Provost, and to sign the Readers' Admission Register.

Temporary permission to consult specified books is granted to strangers at the Librarian's discretion.

### *Historical Summary.*

In the year 1601, the Spanish troops were defeated by the English at Kinsale, and Her Majesty's army, to commemorate their victory, subscribed the sum of £1800, from the arrears of their pay, to establish in the University of Dublin a public Library.\* Dr. Challoner

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\* Dr. Mahaffy, in his "Epoch in Irish History," gives a different account of this matter.

and Mr. James Ussher, afterwards the celebrated Archbishop, were selected by the benefactors as the trustees of their donation, and commissioned to purchase such books as they should judge most necessary and useful for the advancement of learning. "And it is somewhat remarkable" (says Dr. Parr) "that at this time [1603], when the said persons were at London about the laying out this money in books, they then met Sir Thomas Bodley there, buying books for his new erected Library at Oxford, so that there began a correspondence between them upon this occasion, helping each other to procure the choicest and best books on several subjects that could be gotten; so that the famous Bodleian Library at Oxford, and that of Dublin, began together."

The private collection of Ussher himself, consisting of 10,000 volumes, with many MSS. of great value, was the first donation of moment which the Library received; and for this also literature is indebted to the officers and soldiers of the English army. In 1640, Ussher left Ireland, and the insurgents soon after destroyed all his personal property, with the exception of his books, which were fortunately secured, and soon after conveyed to Chester, and from thence to London.<sup>a</sup> In 1642, Ussher was nominated one of the Westminster Assembly of Divines, but refused to attend, and even preached against their proceedings at Oxford.<sup>b</sup> For this crime his library, or a portion of it, which he had left behind him at Chelsea College, was seized and confiscated by order of the House of Commons, as the property of a delinquent; but John Selden, his particular friend, by the interference of Dr. Featly, obtained permission to purchase them as if for his own use, though really for the purpose of restoring them to their original owner. On the Archbishop's death in 1655, although he had destined his books for Trinity College, the misfortunes of the times compelled him to leave them to his only daughter, Lady Tyrrell, then mother of a numerous family,<sup>c</sup> and in narrow circumstances. Proposals were soon after made to her for the purchase of the library, by the King of Denmark and Cardinal Mazarin; but Cromwell issued an order prohibiting the Primate's family from selling it without his consent, and he refused to permit it to be brought out of the kingdom. Soon after, the officers and soldiers of the army then in Ireland, wishing to emulate those of Elizabeth, purchased the whole Library for the sum of £2200, together with all the Archbishop's manuscripts, and a choice though not numerous collection of ancient coins, with the design of presenting them to the College. But when the books were brought over to Ireland, Cromwell refused to permit the intentions of the donors to be carried into effect, alleging that it was his intention to found a new College or Hall, in which the collection might more conveniently be preserved separate from all other books. The library, therefore, was deposited in the Castle of Dublin, and being there kept with great negligence, an immense number of valuable

<sup>a</sup> Parr, p. 47.<sup>b</sup> *Ibid.*, p. 50.<sup>c</sup> *Ibid.*, p. 102.

books and MSS. were stolen or destroyed. At length, on the Restoration, His Majesty King Charles II. ordered that what remained of the Primate's library should be given to the University, according to the generous purpose of the original purchasers.

In 1674, Sir Jerome Alexander, one of the Justices of the Common Pleas in Ireland, left his collection of law books to the College, with £100 for fitting up a place for them; as also the valuable MSS. contained in Class G in the Manuscript Room.

In the year 1726, the Library received an addition of upwards of 4000 volumes, from the books bequeathed to it by Dr. Wm. Palliser, Archbishop of Cashel, who had been a Fellow of the College, and also during his lifetime a munificent benefactor to it. The following extract from his will contains the conditions of this valuable bequest:—

“Item, I devise unto the Provost, Fellows, and Scholars of the College of the Holy Trinity near Dublin, and their successors, such of my books of all kinds as they now have not, or at the time of my death shall not be furnished with, to be sorted, and set out by the Rev. Doctor Claudius Gilbert, and my said son, William Palliser. Item, I devise unto the said Provost, Fellows, and Scholars, and successors, such editions of my books as they now have not, or at the time of my death shall not be furnished with, to be in like manner sorted and set out by the said Doctor Gilbert and my said son, William Palliser. Provided always, and my will is, that the editions and books hereby devised shall go by the name, and be always called *Bibliotheca Palliseriana*, and that the same shall be, and continue placed and kept next to the library devised to the Provost, Fellows, and Scholars, by the late Lord Primate Ussher, now called *Bibliotheca Usseriana*. And my farther will and meaning is, that if the said Provost, Fellows, and Scholars, or their successors, shall at any time fail to call the editions and books hereby devised by the name of *Bibliotheca Palliseriana*, or shall at any time fail to keep them next to the said library, devised by the late Lord Primate Ussher, the disposition hereby made to the said Provost, Fellows, and Scholars, and their successors, shall, upon such failures become void and of no effect.”

Another most valuable addition to the Library was the collection of Dr. Claudius Gilbert, Vice-Provost and Regius Professor of Divinity, consisting of nearly 13,000 volumes. In the year 1735 he retired on the living of Ardstraw, and soon after presented his Library to the College, having spent his whole life in collecting books for that purpose.\*

In 1741, Dr. John Stearne, Bishop of Clogher, and Vice-Chancellor of the University, bequeathed to the Library the valuable

\* The following passage appears in the “Annual Register” for 1759:—

“Doctor Claudius Gilbert, formerly Vice-Provost of Trinity College, Dublin. This excellent person besides other valuable donations, bequeathed to that College a collection of books consisting of 13,000 volumes, chosen with great discernment and care. His bust was this day (Feb. 1, 1758) placed at the head of the books. It is the workmanship of Verproil, and for exoression and elegance does great credit to the taste and skill of the Statuary.”



collection of MSS. preserved in Class F of the Manuscript Room, together with all such books from his private collection as were not already in the Library.

Besides these, the Manuscript Library is indebted to Dr. Miles Sumner, admitted a Fellow during the Commonwealth, and afterwards for many years Donegal Lecturer in Mathematics in the University; to Sir William Gore; Sir Henry Prescott; Dr. Henry Jones, Bishop of Meath and Vice-Chancellor of the University; Dr. John Parker, Archbishop of Dublin; William Barry, M.A.; John Lyon, M.A., and Librarian; Thomas Hey of Chester ("Cestensis Signifer"), A.D. 1646; Gordian Strowbridge; Murtoagh Dowling, Esq., A.D. 1693; Charles Willoughby, M.D.; Cornelius Higden; and Edward Worth, M.D. Besides these, Peter Carewe, President of Munster in the reign of Elizabeth, gave to the Library a valuable collection of Irish Manuscripts.

In 1774, the sum of £100 was bequeathed to the Library by Thomas Holles, Esq., to be applied to the purchase of books written by English, Irish, or Scotchmen, upon Politics, Natural and Civil History, and Mathematics.

A very considerable addition was made to the Library in the year 1802, when the Fagel Library, consisting of upwards of 20,000 volumes, was purchased by the Board of Erasmus Smith for £10,000, and presented to the University. This valuable collection was made by M. Greffier Fagel, Pensionary of Holland, and in 1794, when the French invaded that country, was removed to England for sale, and there purchased for the College.

In the year 1805, a small but choice collection of books, including many *Editiones Principes* of the Classics, was bequeathed to the Library by Henry George Quin, Esq., under the conditions expressed in the following extract from his will, dated September 23, 1794:—

"I give and bequeath my large mahogany book-case, together with such of my books and manuscripts as are specified in a catalogue bound in red morocco leather, written in my own hand, and marked with the letters L. T. C. D., which book-case, books, and manuscripts, together with the catalogue itself, and the hammer which was presented to me at Amsterdam by Signor Crevanna, I give and bequeath for ever to the Provost and Fellows of Trinity College, Dublin, in order that they may be placed in the Library of the College. And as most of the books hereby bequeathed are of considerable value, and on that account the more liable to be stolen if placed in a situation easy of access, it is my will and desire that they be deposited, not in the great public room of the Library, but in that part of it called the Manuscript Room. And it is my will that the book-case hereby bequeathed which is to contain them, may be placed exactly in the centre of the side of the room, opposite to the door of entrance, and I desire that the words *Bibliotheca Quiniana*, in capital letters, two inches in height, and gilt on a dark-coloured ground, be put on the top of the two central doors of the aforesaid book-case, one word on each door. And it is my will and desire, that the said book-case be generally kept locked, and that it be never opened, or the books handled by any



person, but in presence of the librarian or his assistant, one of whom shall always keep the key thereof. And it is my desire that none of the books hereby bequeathed shall ever be taken out of the Manuscript Room. I desire likewise that none of them shall ever be rebound, or any new or additional covering or lettering of any kind be put upon them, but that they shall always remain precisely in the same state wherein they shall be found at the time of my decease. And I desire that a copy of the part of my will which relates to the disposal of my books be sent by my executors to the Provost and Senior Fellows, within one month after my decease, in order that my bequest may, in every particular, be fully carried into effect."

The Library is continually increased by copies of every book published in England. This privilege it enjoys by Act of Parliament,\* 54 Geo. III. cap. 156.

*In addition to gifts from Colonial and Foreign Governments, Universities, Academies, Institutions, and Societies during the year—*

F. Elrington Ball, Litt.D., presented a collection of pamphlets in 19 vols. formed by Right Hon. J. T. Ball.

Miss Mahaffy presented a copy of an engraving of Wal Paget's picture of the Irish Convention of 1917-18 in Session in the Regent House.

Gifts of books, &c., were also received from :—

O. C. Andersen, John Bartley, E. M. Beloe, F. Bertyn, E. D. Bettens, C. G. Botha, Rev. E. S. Buchanan, M.A., F. Dahl, W. Dawson, M.A., Mme. Dutens, P. H. Emerson, M.B., W. Farrer, Litt.D., B. D. Filow, L. S. Fish, H. J. Fuller, Rev. A. W. Greenup, Litt.D., Sir George Grierson, K.C.I.E., E. A. Gordon, Rev. J. M. Harden, B.D., Rendel Harris, Litt.D., C. W. Hillyear, L. G. Horton-Smith, M.A., Kumar Devendra Prasad Jain, Prof. Joly, F.R.S., D. G. Lencz, Countess of Lovelace, Sir Charles Macara, Bart., R. H. McCartney, Lady MacCullagh, A. MacDonald, Sir Murdoch MacDonald, K.C.M.G., Le Marquis MacSwiney, Capt. R. Magill, T. Henry Maxwell, LL.D., S. Shannon Millin, B.A., Charles Mollan, J. P. Morgan, E. H. New, Goddard Orpen, B.A., W. K. Palmer, Rev. G. H. Raynor, M.A., R. W. Rogers, Litt.D., Sir H. Rolleston, K.C.B., T. U. Sadleir, M.A., W. L. Scott, W. W. Seton, Mrs. Henry Simonds, Edgar F. Smith, Sc.D., Hon. Sir F. Spring, K.C.I.E., Major Steers, Colonel Stoney, F. Sullivan, Sir Charles Wakefield, Bart., G. P. Walford, E. H. Wells, T. J. Westropp, M.A., Rev. Canon N. White, D.D., Miss Wilkins, Sir W. Willcocks, K.C.M.G., Miss Yeats.

\* The privilege was first given in the year 1801 (41 Geo. III. cap. 107). By 5 and 6 Victoria, chapter 45, the right of obtaining a copy of every book printed in the United Kingdom is confined to five Libraries viz. :—The British Museum; the Bodleian Library; the Public Library at Cambridge; the Library of the Faculty of Advocates at Edinburgh; and the Library of Trinity College.

The number of volumes contained in the Library (including MSS.) was as follows:—

September, 1890,	. 221,336	September, 1905,	. 293,638
„ 1891,	. 224,586	„ 1906,	. 299,068
„ 1892,	. 228,037	„ 1907,	. 305,248
„ 1893,	. 231,538	„ 1908,	. 311,570
„ 1894,	. 235,093	„ 1909,	. 317,214
„ 1895,	. 238,606	„ 1910,	. 323,423
„ 1896,	. 241,818	„ 1911,	. 329,478
„ 1897,	. 244,887	„ 1912,	. 335,187
„ 1898,	. 251,876	„ 1913,	. 340,932
„ 1899,	. 257,323	„ 1914,	. 346,024
„ 1900,	. 264,075	„ 1915,	. 351,095
„ 1901,	. 269,929	„ 1916,	. 355,156
„ 1902,	. 275,110	„ 1917,	. 359,010
„ 1903,	. 280,741	„ 1918,	. 361,113
„ 1904,	. 287,248	„ 1919,	. 364,993

### LENDING LIBRARY.

As the Royal Statutes by which the General Library is regulated forbid the removal of any book from its precincts, except for binding or other special cause, the Provost and Senior Fellows, many years since, established a Lending Library, consisting of books on the general subjects of collegiate study, which it was desirable that Students should be able to read in their own chambers, but which might prove too costly for ordinary purchase. The Lending Library receives constant augmentations of books, either from special donations, or from the proceeds of a grant made from time to time, out of the College funds.

The Lending Library contains an extensive collection of mathematical, classical, and theological books, as well as works connected with civil engineering. Medical Students are privileged to borrow books from the Medical Library of the College of Physicians.

The Lending Library is usually open for the lending and receipt of books, on three days in each week from 1.30 to 2.30 o'clock, P.M., during Term. A large room in the Museum Building is fitted up to receive the books of the Lending Library. Students can be furnished with Catalogues on application to the Clerk in charge of the Library.

### THE LECKY LIBRARY.

IN 1912, shortly before her death, Mrs. Lecky presented to Trinity College the Library of her husband, William Edward Hartpole Lecky, a collection of about 6000 volumes.

The Library is placed in the Council Room, and books may be borrowed from it by Fellows, Professors, Lecturers, Assistants to Professors, and by Students specially recommended by the Professor or Lecturer whose class they are attending.

Application is to be made to the Clerk of the Lending Library.

## Astronomical Observatory of Trinity College.

THE Observatory is at Dunsink, five miles from the College. It is the official residence of the Royal Astronomer for Ireland. The principal instruments are a Meridian Circle by Pistor and Martins; a Chronograph by Grubb; a 12-inch refractor by Canchoix, presented by Sir James South, and a 15-inch silvered glass reflector by With, presented by Isaac Roberts, Esq., both of which are mounted equatorially. The Observatory is open from 7.30 to 9 P.M. on the first Saturday of the months September to April, inclusive. Special arrangements are made (through Tutors) in Hilary Term to enable Students to see the instruments, and have their use explained.

*Time-Service.*—The clock in the Museum Building and two clocks in the office of the Dublin Port and Docks Board are under the direct electrical control of the Mean-time Clock at the Observatory, and by a relay the control is extended to other clocks in Dublin. For the convenience of mariners a time-ball is dropped on week-days on the roof of the Port and Docks Office at one o'clock Greenwich mean time, by electrical arrangement.

*Publications.*—"Astronomical Observations and Researches made at Dunsink, the Observatory of Trinity College, Dublin" (printed by order of the Board of Trinity College):—

### PART.

- I. Results of Observations made with the South Refractor. 1870.
- II. Further Researches on the Parallax of Stars, 1873.
- III. Results of Observations made with the South Refractor. 1879.
- IV. Mean Places of 321 Red Stars. 1882.
- V. Observations in search of Stars with an Annual Parallax. 1884.
- VI. Mean Places of 1012 Southern Stars. 1887.
- VII. Mean Places of 717 Stars with large Proper Motions. 1896.
- VIII. Mean Places of 1101 Stars with large Proper Motions. 1899.
- IX. Mean Places of 321 Stars of reference for Clusters and of Zodiacal Stars. 1900.

## Normal Climatological Station.

IN January, 1904, the Provost and Senior Fellows established a Normal Climatological Station within the precincts of Trinity College. The station occupies an open space in the Fellows' Garden, and is fully equipped.

A "Normal Climatological Station"—or "Second Order Station" of the International Classification—is one at which readings are taken each day at 9 A.M. and at 9 P.M., local time, and which is provided with the following instruments properly verified and exposed:—barometer, dry-bulb, wet-bulb, maximum and minimum thermometers, and rain-gauge. In addition to these instruments, the equipment of the Trinity College Meteorological Observatory includes a Campbell-Stokes sunshine-recorder and two-earth thermometers, of which the bulbs are placed underground at a depth of one foot and of four feet respectively.

The Meteorological Observatory is under the superintendence of Erasmus Smith's Professor of Natural and Experimental Philosophy, W. E. Thrift, M.A., F.T.C.D. Practical demonstrations of the use of the instruments are given by the Professor or his Assistants to Students of the School of Physic in Ireland, Engineering, and other Students from time to time during Term.

The observations are taken by an Undergraduate or Graduate in Arts, appointed each year by the Provost and Senior Fellows, on the nomination of Erasmus Smith's Professor of Natural and Experimental Philosophy.



## Buildings of Trinity College.

OF the buildings of the original College of Queen Elizabeth no portion now remains.

A grant was made by the Corporation of Dublin, July 20, 1592, in which the bounds of Trinity College are recited as follows (Thomas Smith, Mayor, George Kennedy and John Myles, Sheriffs)

“Sicut se extendunt in longitudinem a campo vocato Anglice Hoggin Greene ex parte occidentali usque ad terram nuper Monasterii Beatæ Mariæ Virginis juxta Dublin nunc in tennure Johannis Dongan generosi ; ex parte orientali et sicut jacet in latitudine a venella quæ ducit ad fontem St. Patricii ex parte australi usque ad terram prædictam nuper Monasterii Beatæ Mariæ Virginis et flumen Anliffey ex boreali parte.”

In 1695-6 there were 144 hearths in Trinity College.

### LIBRARY.

The foundation of the Library was laid May 12, 1712, the Provost and Fellows having obtained a grant of £5000 from Queen Anne, on the address of the Irish House of Commons, for the purpose of building a Library. The building itself was finished in 1724, but some years elapsed before it was prepared for the reception of books. The total cost was about £17,000, of which £15,000 in all was provided by the Parliament. The architect was Thomas Burgh.

The Long Room is 209 feet in length and 40 feet in breadth. 8 feet 4 inches being occupied on either side by the Stalls.

In 1743 Dr. Gilbert bequeathed a sum of £500 to purchase busts for the Long Room. Among the busts first placed in the Library, which were executed by Roubillac, is one of Dean Swift, which was presented to the College, in 1745, by the Senior Sophister Class. The busts of Lord Plunket and M'Cullagh are by Christopher Moore ; that of Sir William Hamilton by the late J. H. Foley ; that of Provost Humphrey Lloyd is by A. Bruce Joy.

In 1890 it was decided to enlarge the Library by enclosing the colonnades.

### PRINTING HOUSE.

The Printing House was built between 1726 and 1734, by Dr. Stearne, Bishop of Clogher and Vice-Chancellor of the University.

## DINING HALL.

The Dining Hall was erected between 1740 and 1745. It contains a number of portraits, chiefly of Chancellors of the University.

The portrait of Frederick Prince of Wales, over the entrance, was painted by Hudson, master of Sir Joshua Reynolds, and was presented to Trinity College by George III. Its frame was carved by G. Gibbons, and was originally in Windsor Castle.

## FRONT OF TRINITY COLLEGE.

The West Front of Trinity College was erected in 1759, the architect being Sir William Chambers, who constructed Somerset House in London. The College received £40,000 from George II. upon the address of the Irish House of Commons, for the purpose of building this Front and the adjoining Parliament Square.

The statues of Goldsmith and of Burke, standing in front of the College, executed by J. H. Foley, were erected by public subscription in 1864 and 1868.

## PROVOST'S HOUSE.

The Provost's House was erected in 1760, at a cost of £13,000, by Provost Andrews. It is a fac-simile of a house designed by the Earl of Burlington, and erected for General Wade, in Piccadilly, London.

The Provost's House contains original portraits of Queen Elizabeth and Archbishop Ussher, painted by Zuccheri, and a fine portrait of the Duke of Bedford, by Gainsborough.

## PUBLIC THEATRE.

The Public Theatre, usually called the Examination Hall, was opened in 1787. It contains a Monument to Provost Baldwin (who died in 1758), and a number of portraits. Those of Queen Elizabeth and Archbishop Ussher are copies of the original portraits in the Provost's House. That of Bishop Berkeley is copied from a picture in Lambeth Palace. The portrait of Edmund Burke was painted by Hopner.

In the gallery is the case belonging to the organ of the old chapel. This organ was built in Holland for a church in Spain, but was taken from the Spaniards in Vigo Bay, 1702, and repaired and enlarged in 1705. It was presented to the College by the second Duke of Ormonde.

## CHAPEL OF TRINITY COLLEGE.

The present Chapel is the third which has existed in Trinity College. It was opened in 1798, and cost £22,000. It contains three painted glass windows:—

One, representing the Recapitulation of the Law by Moses and

the Restoration of the Jews, was erected in memory of Richard Graves, D.D., author of "Lectures on the Pentateuch," by his son and other relatives, in 1865.

The corresponding window on the other side of the Communion Table was erected in 1867, in memory of Bishop Berkeley, by the Right Honourable Robert Richard Warren, Judge of the Court of Probate.

The central window, directly over the Communion Table, was painted in Munich, and was erected in memory of Archbishop Ussher, by Dr. Butcher, late Bishop of Meath, in 1867.

The Chapel which preceded the present was consecrated in 1686. Its dimensions were the same as those of the present structure.

#### CAMPANILE.

The Campanile was erected in 1853, by Lord John George Beresford, Archbishop of Armagh and Chancellor of the University. The Bell, which was cast at Gloucester in 1744, weighs 31 cwt. 12 lbs. ; and its clapper 2 cwt. 13 lbs.

#### MUSEUM BUILDING.

This Building was erected by the Provost and Senior Fellows in 1857.

It contains the Museums of Geology, and Mineralogy, and of Engineering Models, the Drawing Room of the Engineering School, the Room of the Lending Library, a Physical Lecture Room, the Lecture Room of the Schools of Divinity and Law, and a number of other Lecture Rooms. It contains also a Clock in electric connexion with the Observatory clock at Dunsink.

#### MEDICAL SCHOOL BUILDINGS.

These comprise three blocks.

In the middle one are :—

I. The Anatomical Department, which includes a large Dissecting Room with electric light ; a Bone Room, in which are Sections of the frozen body, and various preparations and models illustrating the Development and the Topography of the Brain ; a Lecture Theatre, with a powerful projecting Lantern ; the Professors' rooms.

II. The Chemical Science School, including four general Laboratories, as well as special Laboratories for Quantitative and Gas Analysis ; a Balance Room ; a Chemical Museum, in which are a number of the rarer Chemical substances ; a large Lecture Theatre ; the Professors' rooms and laboratory.

III. A spacious Pathological Museum (see p. 280), with rooms for the Professor of Surgery,

IV. The Department of Materia Medica and Therapeutics, including a Laboratory, a Museum (see p. 280), and the Professors' rooms.

V. Two Lecture Theatres, Professors' rooms, the Office of the Registrar of the School, a Tutorial Class Room and a Students' Luncheon Room.

This part of the block was completed in 1887.

VI. The Museum of Anatomy and Zoology (see p. 280), completed in 1876.

At the north end of the Zoological Museum is the block containing the Department of Institutes of Medicine, which includes a large Laboratory for Histology, a Theatre in which the Lectures in Physiology are given, and the Professors' rooms. This block was finished in 1878; and subsequently enlarged in 1901.

On the south of the middle block is the School of Pathology, which contains a large Laboratory, a Theatre, the Lecturer's room, and a number of work and preparation rooms. In this building also accommodation is at present provided for the Department of Röntgen photography.

This building was completed in 1898.

All the Theatres have their seats numbered consecutively, one being assigned to each Student on entering for the corresponding course of Lectures.

#### SQUARES.

The Front Square, also known as Parliament Square, was erected along with the West Front.

The Library Square contains the oldest buildings in College, some of which were standing in the latter part of the seventeenth century.

The greater part of Botany Bay Square was built about the year 1816.

The New Square was begun in 1838, and finished in 1844.

#### GRADUATES' MEMORIAL.

The north side of the Library Square, which contained the old houses numbered 28 to 31, was demolished in 1899.

The Graduates' Memorial occupies the centre of the new building which has been erected in the space thus vacated, and contains a theatre, a library, a reading room, recreation rooms, rooms for the use of the College Societies, cloak rooms, &c.

The wings of the new building contain forty sets of single students' chambers, and the entrances are at the east and west ends.



## LABORATORY OF EXPERIMENTAL PHYSICS.

The Laboratory of Experimental Physics was completed during the Summer of 1906. It is the gift of Viscount Iveagh ; his Lordship contributing a sum of £16,500 for its construction and equipment. The actual cost of building was £14,708 ; of the fittings £1292 ; and the balance of nearly £500 has been laid out on Scientific Instruments.

The interior is designed so as to provide special accommodation for Students engaged in research, as well as to meet all the requirements of a large teaching laboratory. Several research rooms, furnished with every convenience in the way of scientific fittings, as well as class rooms for teaching the great divisions of Physical Science, Heat, Light, Electricity and Magnetism, are provided. There are also a large class room for introductory teaching, and a lecture theatre, seating 132, fitted with the latest facilities for demonstration.

The city current is laid on throughout the building, and a continuous current is supplied from a large storage battery in the basement.

The Architect was Mr. W. C. Marshall of London.

The annual outlay upon the upkeep of this Department is in part defrayed by the Board, and in part derived from a fund contributed by the Graduates and friends of the University during the years 1903-1906 [see Calendar Vol. III.]. From this fund an annual income of £350 is assigned to the Laboratory of Experimental Physics.

## BOTANICAL LABORATORY.

The New School of Botany was opened at the beginning of Michaelmas Term, 1907. It was built and equipped through the munificence of Viscount Iveagh at a cost of about £7950, and endowed with an income of £280 *per annum* by public subscription to the Science Fund. The Building contains a Lecture Theatre, a large Laboratory to accommodate practical classes of 60 students, various Class Rooms, and Research Laboratories, and a small Library. The Building is equipped throughout with the various appliances and apparatus required for Botanical Instruction and Research. In 1912, partly by contribution from Viscount Iveagh, and partly by contribution from the Board, a Herbarium was added at a cost of about £800.

## Honors and Prizes at Entrance.

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### HIGH PLACES AT ENTRANCE, 1920.

#### JANUARY.

[None.]

#### APRIL.

Fleming, Ian Torrens,	<i>St. Andrew's College, Dublin.</i>
Ryan, William Leo,	<i>Blackrock College.</i>

#### MIDSUMMER ENTRANCE.

Russell, Muriel Maud,	<i>Alexandra College, Dublin.</i>
Randel, Charles Seymour,	<i>Giggleswick, York.</i>
Spielman, Doreen Liliás,	<i>Alexandra College, Dublin.</i>
Meares, Keith Munro,	<i>Portora Royal School.</i>
{ Cibb, Mary Stewart,	<i>Alexandra College, Dublin.</i>
{ Johnson, William,	<i>Portora Royal School.</i>

#### SIZARSHIPS.

##### *Trinity Term, 1920.*

##### *Classics.*

Baxter, William Smyth,	<i>Foyle College, Londonderry.</i>
Coleman, Philip,	<i>High School, Dublin.</i>
Baker, Hugh Cuthbert,	<i>Campbell College, Belfast.</i>

##### *Mathematics.*

Halliday, Joseph Campbell,	<i>Mountjoy School, Dublin.</i>
Miller, George Arthur,	<i>Mountjoy School, Dublin.</i>
Troughton, John Frederick George,	<i>St. Andrew's College, Dublin.</i>
Leatham, James,	<i>Mountjoy School, Dublin.</i>
Erritt, William Albert,	<i>Mountjoy School, Dublin.</i>

##### *Modern Languages.*

Cooney, Johanna Stockham,	<i>Ballymena Academy.</i>
Bland, Eirene Alethea,	<i>Rutland High School, Dublin.</i>

*Irish.*

[None.]

*Experimental Science.*

Wilde, John Frederick,  
Buchanan, John Pillar,  
Hodgins, James Thomas,

*Mountjoy School, Dublin.*  
*Portora Royal School, Enniskillen.*  
*Mountjoy School, Dublin.*

*Hebrew.*

Buchhalter, Simon William,

*Wesley College, Dublin.*

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EXHIBITIONS AWARDED TO STUDENTS FROM SOUTH AFRICA.

1920.

Morgan, Austin Arthur.  
Wagener, Maria Elizabeth.

## Honor and Prize Examinations.

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### HILARY TERM, 1920.

#### TERM HONOR EXAMINATIONS.

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*The Names of the successful Candidates are arranged in order of merit.*

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#### SENIOR SOPHISTERS.

##### MENTAL AND MORAL PHILOSOPHY.

*First Rank.*

Wilson, Maria Percy.

*Second Rank.*

Walsh, Cyril Edward.

##### LEGAL AND POLITICAL SCIENCE.

*First Rank.*

Smith, Philip Norbert.

#### JUNIOR SOPHISTERS.

##### CLASSICS.

*First Rank.*

Tate, Jonathan.

Megarry, Thomas.

##### MENTAL AND MORAL PHILOSOPHY.

*First Rank.*

Megarry, Thomas.

##### MODERN LITERATURE.

*First Rank.*

Anderson, Ivy Geraldine.

Stokes, Isabel Barbara Susan.

Wilson, Mabel Kathleen

Annie.

##### LEGAL AND POLITICAL SCIENCE.

*First Rank.*

Browne, Herbert Macauley.



## SENIOR FRESHMEN.

## MATHEMATICS.

*First Rank.*

Williams, Ernest Hillas.  
Gillespie, Irene,

*Second Rank.*

Thrift, Dorothy Maude.

## CLASSICS.

*First Rank.*

West, John Alexander.

## MENTAL AND MORAL PHILOSOPHY.

*First Rank.*

Laidlaw, William Allison.

## HISTORY.

*First Rank.*

Bourke, Patrick.  
Carolyn, Grace Frances.  
Leslie, Mary Isabel.  
Johnston, Eliza Brown Watt.  
Micks, Edward Christopher.  
MacDonogh, Ethel Mary Noel.

*Second Rank.*

Murphy, Dorothy Elizabeth.  
Abernethy, Norah.

## ENGLISH LITERATURE.

*First Rank.*

Leslie, Mary Isabel.

*Second Rank.*

Bourke, Patrick.  
Leahy, Kathleen Elizabeth.  
MacDonogh, Ethel Mary Noel.

## FRENCH.

*First Rank.*

Jones, Edward Aykroyd.  
Spielman, Ivy Valerie.  
Gelston, Ellen Mona.

*Second Rank.*

McKeown, James Albert.  
Noble, Eileen.

## GERMAN.

*First Rank.*

Stewart, William McCausland.  
Johnston, Eliza Brown Watt.

*Second Rank.*

Noble, Eileen.  
McKeown, James Albert.  
Spielman, Ivy Valerie.  
Jones, Edward Aykroyd.

## JUNIOR FRESHMEN.

## MATHEMATICS.

*First Rank.*

North, Athol Erling.  
 Troughton, Arthur Stanley.  
 Young, Robert Marcus.  
 Speedy, James.  
 Willis, Frederick Roberts.  
 FitzGibbon, Gerald.  
 Anderson, Eric Lytton.

*Second Rank.*

MacBride, Anna Majorie.  
 Middleton, Samuel Henry  
 Windrum.  
 Cockle, Kenneth Bernard.

## CLASSICS.

*First Rank.*

Hornsby, Hazel Marie.

*Second Rank.*

Gordon, Alice.

## HISTORY.

*First Rank.*

Johnston, Thomas James.

## ENGLISH LITERATURE.

*First Rank.*

Brunskill, Eileen Rhoda.

*Second Rank.*

Warwick, Dorothy Eileen.  
 Smyllie, Alexander Walker  
 Grahame.  
 Studdert, Mary Frances.

## FRENCH.

*First Rank.*

King, Dorothy Shana.  
 Panter, Noel Douglas.  
 Reid, Thomas Bertram Wallace.  
 Thompson, Hugh Richard.

*Second Rank.*

Moss, Gladys Eveline.  
 Powell, Kathleen.

## GERMAN.

*First Rank.*

Reid, Thomas Bertram Wallace.

## PREMIUMS FOR COMPOSITION AT THE TERM LECTURES.

CLASSICS,	{	<i>Senior Freshmen</i> , . . .	[None.]
	{	<i>Junior Freshmen</i> , . . .	Ferguson, John Roulette Stanley.
ENGLISH,	{	<i>Sophisters</i> , . . .	Williamson, Wilhelmina.
	{	<i>Freshmen</i> , . . .	Leahy, Kathleen Elizabeth.
GERMAN,	{	<i>Senior Freshmen</i> , . . .	[None.]
	{	<i>Junior Freshmen</i> , . . .	Weinberger, Eva.
FRENCH,	{	<i>Senior Freshmen</i> , . . .	{ Leahy, Kathleen Elizabeth.
	{		{ McKeown, James Albert.
	{	<i>Junior Freshmen</i> , . . .	Weinberger, Eva.

## CATECHETICAL PREMIUMS.

*Examination.*

## SENIOR SOPHISTERS.

*Church of Ireland.*

Ferguson, Robert Mervyn.

*Presbyterian Church.*

[None.]

## JUNIOR SOPHISTERS.

*Church of Ireland.*

[None.]

*Presbyterian Church.*

[None.]

## SENIOR FRESHMEN.

*Church of Ireland.*

Brooks, Lilian May.  
 MacDonogh, Ethel Mary Noel.  
 Armstrong, Henry Joseph  
 Livingston.  
 Laidlaw, William Allison.  
 McCaig, Albert Edward.

*Presbyterian Church.*

Noble, Eileen.

## JUNIOR FRESHMEN.

*Church of Ireland.*

Willis, Frederick Roberts.  
 Troughton, Arthur Stanley.

*Presbyterian Church.*

North, Athol Erling.

*Term.*

## SENIOR FRESHMEN.

*Church of Ireland.*

Egerton, Thomas Henry.

*Presbyterian Church.*

(None.)

## JUNIOR FRESHMEN.

*Church of Ireland.*

(None.)

*Presbyterian Church.*

Middleton, Samuel Henry  
 Windrum.  
 Pigott, Jean Jessie Wellesley.

TRINITY TERM, 1920.

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TERM HONOR EXAMINATIONS.

JUNIOR SOPHISTERS.

CLASSICS.

*First Rank.*

Bailey, Kenneth Claude.		Megarry, Thomas.
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MENTAL AND MORAL PHILOSOPHY.

*First Rank.*

Megarry, Thomas.

EXPERIMENTAL SCIENCE.

*First Rank.*

Bailey, Kenneth Claude.

HISTORY AND POLITICAL SCIENCE.

*First Rank.*

Varian, Ralph Werge.		Wilson, Mark.
Wilkinson, Winifred Norah.		

MODERN LITERATURE.

*First Rank.*

*Second Rank.*

North, George Cecil.		Roe, Helen Maybury.
Wilson, Mabel Kathleen Annie.		
Anderson, Ivy Geraldine.		
Stokes, Isabel Barbara Susan.		

SENIOR FRESHMEN.

MATHEMATICS.

*First Rank.*

Gillespie, Irene.		Brooks, Lilian May.
Willis, Sandham John.		



CLASSICS.

*First Rank.*

Laidlaw, William Allison.

MENTAL AND MORAL PHILOSOPHY.

*First Rank.*

MacDonogh, Ethel Mary Noel.  
Brooks, Lilian May.  
Carolin, Grace Frances.  
Johnston, Eliza Brown Watt.  
Johnson, Victoria Maud Mary.  
Gelston, Ellen Mona.  
Leahy, Kathleen Elizabeth.  
Scales, Eric Wilfrid.

*Second Rank.*

Mollan, Charles John Gabriel.

HISTORY.

*First Rank.*

Bourke, Patrick.  
Steen, Frances Evelyn.

*Second Rank.*

Hinchy, Violet May.  
Abernethy, Norah.  
Templeton, John Herbert.

ENGLISH LITERATURE.

*First Rank.*

Leahy, Kathleen Elizabeth.

MacDonogh, Ethel Mary Noel.

FRENCH.

*First Rank.*

Leslie, Mary Isabel.  
Spielman, Ivy Valerie.  
Stewart, William M'Causland.  
Johnston, Eliza Brown Watt.

M'Keown, James Albert.  
Steen, Frances Evelyn.  
Leahy, Kathleen Elizabeth.  
Laidlaw, William Allison.

JUNIOR FRESHMEN.

MATHEMATICS.

*First Rank.*

Troughton, Arthur Stanley.  
Willis, Frederick Roberts.  
Young, Robert Marcus.  
Cunningham, Robert Alfred.

*Second Rank.*

Fitz Gibbon, Gerald.  
Middleton, Samuel Henry  
Windrum.  
Anderson, Eric Lytton.

CLASSICS.

*First Rank.*

Duncan, George Alexander.  
Neligan, John Bourke.

Dordon, Alice.

## HISTORY.

<i>First Rank.</i>	<i>Second Rank.</i>
Browne, Reginald Lindsay.	Hallanan, Eric.

## ENGLISH LITERATURE.

<i>First Rank.</i>	<i>Second Rank.</i>
Thompson, Hugh Richard.	Warwick, Dorothy Eileen.

## GERMAN.

<i>First Rank.</i>	<i>Second Rank.</i>
Weinberger, Eva.	Fitz Gibbon, Gerald.
Reid, Thomas Bertram Wallace.	

## PREMIUMS FOR COMPOSITION AT THE TERM LECTURES.

CLASSICS,	{	<i>Senior Freshmen,</i> . . .	[No Candidates.]
	{	<i>Junior Freshmen,</i> . . .	Neligan, John Bourke.
ENGLISH,	{	<i>Sophisters,</i> . . . .	{ Callaghan, Robert William.
	{	<i>Freshmen,</i> . . . .	{ Eliassoff, Martin Helmer.
			Johnston, Margaret Louise.
FRENCH,	{	<i>Senior Freshmen,</i> . . .	Spielman, Ivy Valerie.
	{	<i>Junior Freshmen,</i> . . .	Oxley, Elizabeth.
GERMAN,	{	<i>Senior Freshmen,</i> . . .	Stewart, William M'Causland.
	{	<i>Junior Freshmen,</i> . . .	North, Athol Erling.

## CATECHETICAL PREMIUMS.

*Examination.*

## SENIOR SOPHISTERS.

*Church of Ireland.*

Kennedy-Skipton, George Stacy.

*Presbyterian Church.*

[None.]

## JUNIOR SOPHISTERS.

*Church of Ireland.*

[None.]

*Presbyterian Church.*

[None.]

## SENIOR FRESHMEN.

*Church of Ireland.*

Murphy, Dorothy Elizabeth.

*Presbyterian Church.*

[None.]

## JUNIOR FRESHMEN.

*Church of Ireland.*Cockle, Kenneth Bernard.  
Brunskill, Eileen Rhoda.  
Dowse, Richard Henry.*Presbyterian Church.*

M'Dowell, George Ronald.

*Term.*

## SENIOR FRESHMEN.

*Church of Ireland.*

[None.]

*Presbyterian Church.*

[None.]

## JUNIOR FRESHMEN.

*Church of Ireland.*Studdert, Augustus John de Clare.  
Wilson, Mary Kathleen.  
Warwick, Dorothy Eileen.*Presbyterian Church.*

Ward, Edward Davies.

## Miscellaneous Prizes in Arts.

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<i>Arabic, Prize in, . . . .</i>	[Not yet awarded.]
<i>Berkeley Medals, . . . .</i>	Ferguson, Robert Mervyn. Bailey, Kenneth Claude.
<i>Biblical Greek, Prizes in, . . . .</i>	Irwin, Oliver Arthur Crawford. Hill, Frederick Charles. Kennedy-Skipton, George Stacy.
<i>Chaldee and Syriac, Prize in, . . . .</i>	Tomkin, Harris.
<i>Dompierre-Chaufepié Prize, . . . .</i>	Leslie, Mary Isabel.
<i>Ecclesiastical History, Prizes in, . . . .</i>	Irwin, Oliver Arthur Crawford.
<i>Ekenhead Scholarship, . . . .</i>	Bell, James.
<i>Ferrar Memorial Prize, . . . .</i>	Kennedy-Skipton, George Stacy.
<i>Hebrew Premiums (Senior Class), . . . .</i>	Tomkin, Harris.
,, (Middle Class), . . . .	Dowse, Richard Henry.
,, (Junior Class), . . . .	Ruby, James Henry.
<i>Hindustani, Prize in, . . . .</i>	[Not yet awarded.]
<i>Irish, Premiums in :—</i>	
(Senior Class), . . . .	King, Dorothy Shana. Dillon-Leetch, Mary. Chenevix-Trench, Margaret Isabel.
(Middle Class), . . . .	Duffey, Hugh. Coulter, Geoffrey Hugh Matthew.
(Junior Class), . . . .	O'Callaghan, Mary Louise. [None.]
<i>Italian, Prizes in, . . . .</i>	[None.]
<i>Jellett Prizes for General Answering, . . . .</i>	[Not yet awarded.]
<i>McCullagh Prize, . . . .</i>	[None.]
<i>Marshall Porter Memorial Prize, . . . .</i>	Shapira, Nathan.
<i>Old and Middle English, Prize in, . . . .</i>	Spielman, Ivy Valerie.
<i>Old French and Provençal, Prize in, . . . .</i>	North, Meta Evelyn.
<i>Persian, Prize in, . . . .</i>	[None.]
<i>Political Economy, Prizes in, . . . .</i>	Johnston, Anne Elizabeth. Mustoe, Nelson Edwin.
<i>Sanskrit, Prize in, . . . .</i>	[None.]
<i>Spanish, Prizes in, . . . .</i>	Killingsley, Arthur Victor Greratt.
<i>Vice-Chancellor's Prizes for Com- position—English Prose, . . . .</i>	Leslie, Mary Isabel.
English Verse, . . . .	Tate, Jonathan.
<i>Wall Biblical Prize, . . . .</i>	Tomkin, Harris.
<i>Wray Prize, . . . .</i>	Gibson, John Percival.



## Examinations in Arts.

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### FINAL FRESHMAN SUPPLEMENTAL EXAMINATION.

*Hilary Term, 1920.*

#### CLASS LIST.

*The names of the Classed Candidates are arranged in order of merit.*

##### *First Class.*

[None.]

##### *Second Class.*

Preston, George Elystan.

##### *Third Class.*

{ Higginbotham, William Harold  
Spencer.  
Lohan, Mary.  
Gilcriest, John.  
Crofton, Patrick George.  
Reid, Charles John.

##### *Unclassed (arranged alphabetically).*

Dale, Henry William Loftus.  
Gardner, Alexander.  
Hawthorne, Alexander.  
Maguire, John George.  
O'Connor, Joseph Michael.  
Powell, Henry Ignatius Emmet.  
Rollins, Herbert.  
Russell, John Gerald.  
Sayers, Joseph.  
Seale, Richard.  
Smith, Frederick William  
Gordon.  
Tuke, John Henry Burland.

### FINAL FRESHMAN EXAMINATION.

TRINITY TERM, 1920.

*The Names of Classed Candidates are arranged in order of merit.*

##### *First Class.*

{ Brooks, Lilian May.  
Gillespie, Irene.  
Beare, William.  
Holmes, William.  
Laidlaw, William Allison.  
Steen, Frances Evelyn.  
West, John Alexander.  
Williams, Ernest Hillas.  
French, Georgina Noelle Mary.  
Gelston, Ellen Mona.  
Calvert, George William.  
M'Donogh, Ethel Mary Noel.  
Walton, Robert Gabbett Dun-  
donald.

{ M'Dowell, David.  
M'Keown, James Albert.  
Micks, Edward Christopher.  
Houston, James.  
Thrift, Dorothy Maud.  
Gilbert, Thomas Travers.  
Hopkins, William Joseph.  
Leahy, Kathleen Elizabeth.  
Levingston, Nora Elsie.  
Johnson, Victoria Maud Mary.  
Leslie, Mary Isabel.  
Simpson, Kathleen.  
Willis, Sandham John.  
Blackwell, Joseph.  
Lamb, Norman Willie.

*Second Class.*

{ Jones, Edward Aykroyd.	{ Wilson, Ruth Elizabeth.
{ MacLaughlin, David Mackey.	{ Spielman, Ivy Valerie.
{ Stewart, William MacCausland.	{ Armstrong, Henry Joseph Liv-
{ Kirk, William Maxwell.	ington.
{ Puxley, Henry Waller Lavallin.	{ Johnston, Eliza Brown Watt.
{ Wilson, Robert Noble Denison.	{ M'Alpine, Edward.
{ Bingham, Samuel Ernest.	{ MacDermot, Charles.
{ Somerville-Large, Philip Towns-	{ Scales, Eric Wilfrid.
end.	{ Cochrane, William Lyons.

*Third Class.*

{ M'Clure, Charles Archibald.	{ Blair-White, Cyril Walter.
{ Madden, Olive Mary.	{ Dickie, Robert Kelso.
{ Carolin, Grace Frances.	{ Moore, Thomas Ernest Ottiwell.
{ Hamilton, Sara Elizabeth.	{ Wallace, John Barkley.
{ Scott, Jeanie Morrison.	{ Abernethy, Norah.
{ Howe, Esther Claire Louise.	{ Mather, John Arthur.
{ M'Cauley, James Ewart.	{ Smythe, John Herbert.
{ Osborne, Isabel.	Shanks, Alexandra May.
	Mitchell, Frederick Julian.
	Large, Lionel Derrick.
	Twiss, Martha Violet Blake.

*Unclassed (arranged alphabetically).*

Asherson, Asher.	Kahn, Robert.
Brandt, Reginald Reginald John.	Kohlberg, Herbert.
Brown, Frederick George.	Labuschagne, Paul Nicolaas
Coetzee, Louis Johannes.	Harm.
Deale, James Edward.	Levitt, Lionel Samuel.
Disney, Marian Longridge.	Lewin, Harold.
Dixon, Patrick Kerr.	Lipschitz, Reuben.
Downer, Eric Christopher.	Moore, Thomas George.
Egerton, Thomas Henry.	Morgan, Austin Arthur.
Freedman, Tobias.	Morris, Bernard.
Geffen, Samuel Michael.	Narunsky, Solomon.
Gerrard, Maynard Atkinson.	O'Neil, Margaret.
Gordon, Charles.	Purdy, Gordon.
Hafner, Etienne Rodolphe.	Sayers, Louis Philip.
Hazley, John Bradley.	Van Heyningen, Cecil Gerhardus
Hegy, Reginald.	Sophie.
Henry, Robert Francis Jack.	Vellema, Doewe Marinus.
Hodgman, Jan Hendrik.	Werner, Louis Joseph Emil.
Hugo, Hans Jacob.	Williamson, Richard John.
Isaacson, Henry.	Wulfsohn, Max.

# SUPPLEMENTAL EXAMINATIONS FOR THE DEGREE OF B.A.

*Hilary Term, 1920.*

*The Names of the Classed Candidates are arranged in order of merit.*

## CLASS LIST.

### *First Class.*

[None.]

### *Second Class.*

[None.]

### *Third Class.*

{ Farrell, Robert Thompson.  
Kirker, James Alastair.  
Smith, Leta Eileen.  
Hudson, John Richard Gibson.  
Thompson, Lionel Wellesley.  
Weldon, Hugh Bradshaw.

### *Unclussed (arranged alphabetically).*

Bridge, Maurice Frederick.  
Ingham, Richard Henry Joseph.  
Maitland, Walter.  
Moore, David Lucius Henry.  
Moran, John William.  
Ross, John Donald.

Shegog, Frederick William.  
Smith, William Leslie Winslow.  
Stopford, Elinor Dorothy.  
Wills, James Robertson.  
Wilson, Cecil Samuel.

## *Trinity Term, 1920 (April).*

*The names of the Classed Candidates are arranged in the order of merit.*

### *First Class.*

[None.]

### *Second Class.*

Kennedy, Samuel.  
{ Evans, Nelson Graham.  
Ford, Arthur Theodore Irvine.  
Smyth, Henry James.

### *Third Class.*

Armstrong, Arthur Patrick.  
Magill, John Fulton Gilliland.

### *Unclussed (arranged alphabetically).*

Bennet, John Leslie.  
Blagoff, Athanas.  
Collins, Frederick Richard.  
Culverwell, Oliver Gerald.  
Deacon, Charles Henry.  
Goode, John Evans.  
Hall, James Beatty.  
MacCarthy, Charles Thomas.  
Newland, Cecil Dunbar.  
Powell, Edward Hawkshaw.  
Rainey, Thomas.  
Robinson, George Cyril Brereton.  
Saunders, George Francis Thomas.  
Sheppard, John Farnsworth.  
Taylor, Edward.

## SPECIAL EXAMINATION FOR THE DEGREE OF B.A.

*Trinity Term, 1920 (JUNE).**The Names of the Classed Candidates are arranged in order of merit.**Respondents.*

Tichbourne, Theodora Olivia.  
 Grime, Allan Godfrey.  
 Walker, Arthur George.

*First Class.*

Fitzpatrick, Richard William.  
 Wheatley, Richard Parke.  
 Purcell, Noel Mary Joseph.

*Second Class.*

{ Harte, Jane Elizabeth.  
 { Landey, Dorothy Eileen.  
 Alesbury, Edith Ellen.  
 Moore, Dora Lois.  
 Cairns, Alexander.  
 { Dixon, Ernest George.  
 { Johnston, Terence Greer.  
 Noyes, Edwin Brownrigg.  
 { Hanratte, Wilfred Edmund.  
 { M'Clean, Frederick William.  
 Westmore, William Nevitt.  
 Hanna, William John.  
 Cooke, George Henry.

*Third Class.*

{ Humpherson, Sydney Frederick.  
 { Orr, John Ebenezer.  
 M'Bride, Robert Gardiner.  
 { Crockett, John Scott.  
 { Harte, Evelyn Mary.  
 { Perdue, Ernest Lewis.  
 { Huston, Charles William  
 Archibald.  
 { Lloyd-Blood, Lancelot Ivan  
 Neptune.  
 Scott, Charles Edward.  
 { Bluett, Douglas.  
 { Mackey, Cornelius Anthony.  
 { Copes, William.  
 { Hadden, Hans.  
 { Hamilton, Noble Holton.  
 { Muspratt, Eileen Dorothy  
 Frances.  
 Lindsay, Gladys Anne.

*Unclassed (arranged alphabetically).*

Armstrong, James Septimus.  
 Armstrong, John.  
 Bewley, Arthur Geoffrey.  
 Bradford, Samuel.  
 Bradlaw, Albert Stanley.  
 Cockle, Beryl Frances Emily.  
 Craig, John Russell.  
 Dench, Reginald Arthur.  
 Dillon-Leetch, Margaret.  
 Dorman, Dorothy Charlotte  
 Hobart.  
 Gillespie, Joseph Cecil.  
 Good, William.  
 Grant, Charles William.  
 Herzenberg, Leo.  
 Hilliard, Frances Maybury.  
 Hopkin-James, David Kynvelyn  
 John.  
 Horgan, Eric Sealy.  
 Irwin, Florine Isabel.  
 Jabkovitz, Philip.  
 Johnston, Samuel George.  
 Johnston, William Walter Cuth-  
 bert.  
 Kaplan, Max William.  
 Lemon, Ruth.  
 M'Connell, Alfred.  
 M'Cormick, Francis Harpur.  
 MacDonald, James Andrew.  
 M'Kiernan, Thomas Hugh  
 Robinson.  
 Madden, John Eusebius.  
 Malone-Barrett, Francis.  
 Moran, George Septimus.  
 Moshal, Bernard.  
 Mounsey, John Milburn.  
 Murphy, Cyril James Ussher.  
 Murphy, William Allen.  
 Pope, Richard Alexander  
 Dennistoun.  
 Russell, Albert Victor John.  
 Sargent, Alma Kingsley.  
 Smith, Robert.  
 Stewart, John Frederick.  
 Strong, Herbert William.  
 Warham, Thomas Gerald.  
 Woodburn, David Barkley.



# Examinations and Prizes in the Professional Schools,

1920.

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## SCHOOL OF DIVINITY.

### THEOLOGICAL EXHIBITION.

*Hilary Term.*

[No Candidates.]

### CARSON BIBLICAL PRIZE.

*Hilary Term.*

Irwin, Oliver Arthur Crawford.

### TOPLADY PRIZE.

*Hilary Term.*

[No Candidates.]

### TERM PRIZES FOR READING THE LITURGY.

*Hilary Term.*

Huston, Charles William Archibald.

### DR. DOWNES DIVINITY PREMIUMS.

*Trinity Term.*

*Written Composition.*

- |                            |  |                            |
|----------------------------|--|----------------------------|
| 1. Coulter, William Henry. |  | 2. M'Phail, Gordon Stuart. |
|----------------------------|--|----------------------------|

*Oratory.*

- |                                   |  |                               |
|-----------------------------------|--|-------------------------------|
| 1. Irwin, Oliver Arthur Crawford. |  | 2. Bluett, Augustus Sterling. |
|-----------------------------------|--|-------------------------------|

*Reading the Liturgy.*

- |                   |  |                                 |
|-------------------|--|---------------------------------|
| 1. Hall, William. |  | 2. Chesnutt-Chesney, Frederick. |
|-------------------|--|---------------------------------|

### WARREN CHURCH FORMULARIES PRIZE.

*Trinity Term.*

Beattie, Joseph Kildare.

## O'REGAN MEMORIAL PRIZE.

*Trinity Term.*

Beattie, Joseph Kildare.

## DIVINITY COMPOSITION PREMIUMS.

*Hilary Term.**Senior Class.*

McCann, James.

*Junior Class.*

M'Phail, Gordon Stuart.

*Trinity Term.**Senior Class.*

Huston, Charles Wm. Archibald.

*Junior Class.*

Young, Robert Lovell.

## RYAN PRIZE.

Irwin, Oliver Arthur Crawford.

## ROBERT KING MEMORIAL PRIZE.

[None.]

## KYLE IRISH PRIZE.

*Trinity Term.*

[None.]

## BEDELL SCHOLARSHIP.

*Trinity Term.*

[None.]

On the 6th of June, 1857, it was resolved by the Board, that the Regius Professor of Divinity shall be authorized to give a *special* Testimonium to such Divinity Students as come out in the first Class at the final Divinity Examination.

At the final Divinity Examination, held in Trinity Term, for such Students as had completed six Divinity Terms, the following Students received Testimoniums, and were arranged as follows according to their answering, the names in the first and second Classes being placed according to the order of merit:—

## DIVINITY TESTIMONIUMS.

*Trinity Term, 1920.**First Class.*Beattie, Joseph Kildare.  
Coulter, William Henry.*Second Class.*Hall, William.  
Hill, Frederick Charles.  
Smith, Vivian Fielding.  
Johnston, Gilbert Stanley  
Samuel.

*Unclassed (alphabetically).*

Chesnutt-Chesney, Frederick.		Harbord, Ralph Cecil Victor.
Foster, Henry Robert Victor.		Henchy, Dudley North.

At the Supplemental Examinations held in Hilary Term, the Candidates were arranged as follows:—

*Hilary Term, 1920.*

<i>First Class.</i>		<i>Second Class.</i>
[None.]		[None.]

*Unclassed.*

Dobbin, William Hume.

## EXAMINATIONS FOR B.D. DEGREE.

*Hilary Term, 1920.*

<i>Name.</i>					<i>Division passed.</i>
Abbott, Wilfrid Courtenay	..	..	..	..	3
Gillespie, Henry Richard Butler		..	..	..	1
Irvine, Hugh Alexander	..	..	..	..	4
Ryall, Charles Richard	..	..	..	..	6

*Trinity Term, 1920.*

Abbott, Wilfrid Courtenay	..	..	..	..	1
Darling, Vivian William	..	..	..	..	5
Gillespie, Henry Richard Butler		..	..	..	2
Robinson, Thomas Henry	..	..	..	..	5, 6
Shortt, John Purser	..	..	..	..	3
Thompson, Albert Ernest	..	..	..	..	3
Tyner, Richard	..	..	..	..	2
Waugh, Richard Mortlock Lloyd	..	..	..	..	2

## SCHOOL OF LAW.

1920.

## PRIZES IN CIVIL LAW.

- |                        |  |                              |
|------------------------|--|------------------------------|
| 1. Halpin, John Ralph. |  | 2. Johnston, Anne Elizabeth. |
|------------------------|--|------------------------------|

## PRIZES IN FEUDAL AND ENGLISH LAW.

- |                        |  |   |
|------------------------|--|---|
| 1. Halpin, John Ralph. |  | 2. { Smith, Philip Norbent.<br>Wheeler, George Bonnefforde. |
|------------------------|--|---|

## PRIZES IN CONSTITUTIONAL AND CRIMINAL LAW.

- |                        |  |                           |
|------------------------|--|---------------------------|
| 1. Halpin, John Ralph. |  | 2. Smith, Philip Norbent. |
|------------------------|--|---------------------------|

## PRIZES IN JURISPRUDENCE AND INTERNATIONAL LAW

- |                              |  |                     |
|------------------------------|--|---------------------|
| 1. Johnston, Anne Elizabeth. |  | 2. Maginess, Brian. |
|------------------------------|--|---------------------|

## GENERAL EXAMINATIONS.

At the General Examinations held in Trinity Term, the following Students were classed :—

## JURISPRUDENCE AND INTERNATIONAL LAW.

- |                           |  |  |
|---------------------------|--|--|
| Johnston, Anne Elizabeth. |  | Maginess, Brian.<br>Kirke, Merle Haddis. |
|---------------------------|--|--|

## FEUDAL AND ENGLISH LAW.

- |                               |  |                              |
|-------------------------------|--|------------------------------|
| Halpin, John Ralph.           |  | Maginess, Brian.             |
| Wheeler, George Bonnefforde.  |  | Walker, Maurice Cecil.       |
| Smith, Philip Norbent.        |  | Mustoe, Nelson Edwin.        |
| Browne, Herbert Macaulay.     |  | Morrison, Frederick William. |
| Cherry, Richard Theodore.     |  | Patton, William Francis.     |
| Kane, Alexander Bailly Akbar. |  | Kirk, Merle Haddis.          |
|                               |  | Pigot, David Richard.        |



## CONSTITUTIONAL AND CRIMINAL LAW.

Smith, Philip Norbent.  
Halpin, John Ralph  
Walker, Maurice Cecil.  
Maginess, Brian.  
Donaldson, John Coote.  
Pigot, David Richard.  
Wheeler, George Bonnefforde.  
Browne, Herbert Macaulay.  
Patton, William Francis.

Morrison, Frederick.  
Lavelle, Alexander Bannerman.  
Kirke, Merle Haddis.  
Grant, Charles William.  
Parker, Geoffrey Owen.  
Guise-Brown, Gerald Edward.  
Holtsbaum, Francis Peyton.  
Spain, Patrick John.

## CIVIL LAW.

Johnston, Anne Elizabeth.  
Wheeler, George Bonnefforde.  
Halpin, John Ralph.  
Maginess, Brian.  
Smith, Philip Norbent.

Mustoe, Nelson Edwin.  
Kane, Alexander Bailly Akbar.  
Kirke, Merle Haddis.  
Browne, Herbert Macaulay.  
Longfield, Ada Kathleen.  
Ward, Richard Percyvale.

*Trinity Term, 1920.*

## INTERMEDIATE EXAMINATION IN LAW.

*First Class.*

Johnston, Anne Elizabeth.  
Maginess, Brian.  
Longfield, Ada Kathleen.  
Shaw, Christopher George.  
Kirke, Merle Haddis.  
Hopkin-James, Lemuel John.  
Burnside, Evelyn Margaret  
Georgina Evans.

*Second Class.*

Davies, Joseph Gwyn.  
Ward, Charles James.

*Unclassed.*

Borm-Reid, Robert M'Minn.  
Glynn, Patrick.  
Ward, Richard Percyvale.

## EXAMINATION FOR THE DEGREE OF LL.B.

*First Class.*

[None.]

*Second Class.*

Jackson, Thomas Chalice.

*Unclassed.*

Burt, Elinor Norah.  
Grant, Charles William.  
Smith, Leta Eileen.  
Ward, John Frederick.

## EXAMINATION FOR THE DEGREE OF LL.D.

*First Class.*

[None.]

*Second Class.*

[None.]

*Unclassed.*

Borland, Robert.

## SCHOOL OF PHYSIC.

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1920.

SURGICAL TRAVELLING PRIZE AND BANKS MEDAL.

[None.]

EDWARD HALLARAN BENNETT PRIZE.

[None.]

FITZPATRICK SCHOLARSHIP.

Abrahamson, Leonard.

MEDICAL SCHOLARSHIPS.

*Anatomy and Physiology.*

Dijkman, Cornelis Derksen.

*Chemistry, Physics, Botany, and Zoology.*

Joly, Lucy Mary.

DOCTOR HENRY HUTCHINSON STEWART SCHOLARSHIPS.

*Anatomy and Physiology.*

Micks, Robert Henry.

*Chemistry, Physics, Botany, Zoology.*

Dixon, Patrick Kerr.

JOHN MALLET PURSER MEDAL.

Whaley, William Frederick.

DANIEL JOHN CUNNINGHAM MEDAL.

Downer, Eric Christopher.

## MEDICAL EXAMINATIONS.

At the Examinations held in the year 1920, the successful Candidates were arranged in the following order:—

### HILARY TERM, 1920.

#### PRELIMINARY SCIENTIFIC EXAMINATION.

##### BOTANY AND ZOOLOGY.

Ruben, Harry.	Riddall, Eva Isabel.
O'Callaghan, Mary Louise.	{ Porter, Rachael Elizabeth.
Maguire, John George.	{ Stewart, Alan Darnley.
Maguire, William Henderson.	Golding, Joseph Jack.
Fenton, Norah Edith.	Taylor, Charles Leo.
{ M'Kenny, Howard St. George.	
{ Warrington, Robert Cecil Ussher.	

##### CHEMISTRY.

{ Warrington, William	<i>Passed on High Marks.</i>	Wynne, Wilfrid Edward Carle-
Oswald.		ton.
Bramall, John.		Lawler, Bertha Harriet.
Armstrong, James		M'Kenny, Howard St. George.
Septimus.		M'Kenna, Francis Hector.
Freeman, Leonard.		Harris, Alexander Ian.
Harte, Robert William.		Stuart, John Latimer.
Edwards, Geoffrey Dixon.		Wallace, Caleb Paul.
Burke-Gaffney, Henry O'Don-		
nell.		

##### PHYSICS.

Dixon, Patrick Kerr.	{ Proctor, Richard Louis Gibbon.
May, Thomas William.	{ Wallace, James Waldo.
Wilde, Otto Gruber.	{ Dennard, Leslie David.
Sless, Morris.	{ Mooney, Alan Joseph.
Henry, Robert Francis Jack.	Hugo, Hans Jacob.
Brough, Lewis Cresswell.	McFarland, George Gibson.
{ Thompson, John Knox Stafford.	O'Reilly, Thomas James.
Warnock, Robert.	{ Aykroyd, Wallace Ruddell.
{ Atkinson, John Noel.	Harte, Robert William.
{ Robinson, George.	{ Levingston, John Learmonth.
{ Sloan, Gerrard Andrew.	{ Robinson, Philip Bernard.
	{ Roseman, Hyman Solomon.

{ Bradshaw, John Russell.	{ Crawford, Angel Valentine
{ M'Cormick, John Eric.	Brown.
{ Magowan, Samuel Edgar.	{ Crawford, Edward Sydney
{ Speedy, William Dinwoodie.	Atkinson.
{ Stewart, Alan Darnley.	{ Disney, Marion Longridge.
{ Taylor, Wentworth Alexander.	{ Moore, Cecil Robert.
{ Cussen, Denis John.	{ Redmond, William Alexander.
{ MacDonnell, John Anthony.	{ Alexander, James Ferguson.
{ Steen, Robert Elsworth.	{ Bingham, Edward William.
{ Wood, William Stuart.	{ Brunskill, Kivas Richardson.
{ Collins, John Cornelius.	{ Deane, Annie Teresa.
{ Isaacson, Isaac Jack.	{ Dockrell, Anne Dorothy.
{ MacKenzie, Kenneth Fitzgerald.	{ Dudgeon, Edward Caulfield.
{ Malone, Francis Laurence Gerard.	{ Edwards, Geoffrey Dixon.
{ Wigoder, Simon.	{ Fox, Maurice Digby.
{ Bramall, John.	{ Fulton, Jane Dick.
{ Carson, Roy Knox.	{ Geffen, Samuel Michael.
{ Ingham, Charles William	{ Gerrard, Maynard Atkinson.
Joseph.	{ Hanna, Matilda Olivia.
{ Lyons, Desmond Kenny.	{ Haskins, Launcelot William Roe.
{ Smith, Robert Moore.	{ Hopkins, William Arthur.
{ Stokes, John Everard.	{ Horwich, Jerreth.
{ Boland, Carol Richard Joseph.	{ Isaacson, Henry.
{ Cowan, George Abraham.	{ Kelly, Agnes Leeper.
{ Laing, John Joseph.	{ Levitt, Abraham Jack.
{ Anderson, Wilfred Harpur.	{ Logan, Norman.
{ Crawford, John.	{ M'Cullagh, William Lennox.
{ Mooney, Evaline Elizabeth.	{ M'Dermott, Samuel.
{ Power, David Norman.	{ M'Kenna, Francis Hector.
{ Williams, Robert George.	{ MacMahon, Helena.
{ Hemmingway, Douglas Lennox.	{ Murison, Kathleen Duffus.
{ M'Donald, Christina.	{ O'Conner, Frances Elizabeth.
{ Rauch, Jan Hendrik.	{ Piel, Paul Douglas.
{ Taylor, William Hamilton	{ Rankin, George Douglas.
Hepburn.	{ Whitsitt, Leslie Montgomery.
	{ Wilson, Carmichael.

## DENTAL ANATOMY.

Tuke, John Henry Burland.

## INTERMEDIATE DENTAL EXAMINATION.

## ANATOMY AND PHYSIOLOGY.

Stewart, John Frederick.



## INTERMEDIATE MEDICAL EXAMINATION.

## PART I.

## ANATOMY, PHYSIOLOGY, AND ORGANIC CHEMISTRY.

Bewley, Arthur	} <i>Passed on</i> <i>High Marks.</i>	Saayman, Donald Harvey.
Geoffrey		Hillis, Charles Rexter.
Grobler, Paul John.		Stals, Johannes Hendricus.
{ Heyman, Lazarus.		Moore, Eva Elizabeth.
{ Russell, Samuel Wilfrid.		{ Hyde, Raymond James Garnet.
{ Fouché, Petrus Hendrik		{ Vivier, Barend.
Stephanus.		{ Wulfsohn, Max.
{ Marais, Ivan.		Rauch, Jan Hendrik.
Drotske, Allen Erasmus.		Dockrell, Alice Evelyn.
Morris, Bernard.		Henry, Dorothy Isabel.
Sayers, Max.		Malone-Barrett, Francis.
Coetzee, Louis Johannes.		Strong, Herbert William.
Stuart, Charlotte Annie.		Brady, Hugh Redmond.
Dale, Henry William Loftus.		

## ANATOMY ONLY (COMPLETING EXAMINATION).

Stuart, John Henry James.	{ Odlum, Muriel Vere.
	{ Shortt, Cecil de Lisle.

## ORGANIC CHEMISTRY ONLY (COMPLETING EXAMINATION).

Alper, Minnie.	Murphy, Henry James Leopold.
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## PART II.

## APPLIED ANATOMY AND APPLIED PHYSIOLOGY.

Bewley, Maurice.	} <i>Passed on</i> <i>High Marks.</i>	Ovendale, Charles Eustace.
Bewley, Arthur Geoffrey.		Crawford, Francis Charles Boyd
Dijkman, Cornelis Derksen.		Lindsay Brown.
de Bruijn, Theunis.		{ Fouché, Petrus Hendrik
{ Villet, Charles Theodore de		{ Stephanus.
Mornêt.		{ Hofman, Jacob.
{ Agranat, Abraham.		{ Krige, Hendrik Nicolas.
{ Perrott, Robert Nelson.		{ Sacks, Izak George.
{ Brunton, Charles Eason.		Murphy, William Allen.
{ Lemon, Ruth.		Powell, May Evelyn.
Irvine, Gilbert Marshall.		{ M'Caldin, Cecil William Roberts.
Falkiner, Ninian M'Intyre.		{ M'Crea, William Baker Edward.
Hugo, Daniel.		Drotske, Allen Erasmus.
{ Robinson, Victor.		Seale, Richard.
Vercueil, Leon Olivier.		{ Alper, Minnie.
{ Gillespie, Joseph Cecil.		{ Carroll, John Vincent.
{ Rainsford, Seymour Grome.		{ Moran, George Septimus.

INTERMEDIATE MEDICAL EXAMINATION, PART II—*continued*.

{ Craig, John Russell.	{ Holmes, William Edward.
{ Kaplan, Maximilian William.	{ MacDonald, James Andrew.
{ Powell, Michael Gerard John.	{ Harcourt, Mary Helen.
{ Saayman, Donald Harvey.	{ Stazunsky, Leopold.
{ Weldon, Samuel Gerald.	{ Thompson, John Douglas.
{ Elion, Max.	{ Cockle, Beryl Frances Emily.
{ Murphy, Cyril James Ussher.	{ D'Arcy, Francis Bertram.
{ Phillips, Laurence.	{ Dorman, Dorothy Charlotte
{ de Villiers, Izak Frederik	{ Hobart.
{ Albertus.	{ Fair, Olive Victoria.
{ Smith, William Harden.	{ Ward, Anthony Divir.
{ Cornick, Isaac.	{ Williams, James Valentine.
{ Devane, James.	{ Warham, Thomas Gerald.
{ Horan, John Beattie.	{ Russell, John Gerald.
{ M'Entee, John Charles Joseph.	{ Callanan, William Edward.
{ Blackall, George.	{ Wills, James Robertson.
{ Stuart, John Henry James.	{ Dickson, William Sydney.
	{ O'Donnell, Albert Edward.

## FINAL MEDICAL EXAMINATION.

## PART I.

MATERIA MEDICA AND THERAPEUTICS; MEDICAL JURISPRUDENCE  
AND HYGIENE; PATHOLOGY.

{ Horgan, Eric Sealy. }	<i>Passed on</i>	McIlrath, Constance.
{ Murray, Eric Richard. }	<i>High</i>	Clifford, Leo Vincent.
{ Herzenberg, Leo. }	<i>Marks.</i>	Latham, Donald Victor.
Deane, Héctor Charles Chatter-		Coolican, Michael Raphael.
ton.		Panter, Thomas Whelan.
Willock, Edith Florence.		Dillon-Leetch, Rita.
Bobbett, Patrick Mary Joseph.		

MATERIA MEDICA AND THERAPEUTICS; MEDICAL JURISPRUDENCE  
AND HYGIENE.

Todd, Alfred Henry Norman.		Menary, Vera Gladys May.
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## PATHOLOGY.

Holland, Doris.

## PATHOLOGY (COMPLETING EXAMINATION).

Pratt, Francis Young.		Power, Richard Wood.
Corbet, Robert Henry Joseph		Chapman, Robert Sturgeon.
Mulhall.		Beckett, Alfred John.
Leahy, James Daly.		Semple, John Mervyn.

FINAL MEDICAL EXAMINATION—*continued.*

## PART II.

## MEDICINE (M.B.).

Jabkovitz, Philip.	Steyn, Arthur Isaac.
Moshal, Bernard.	{ Healy, Francis.
Davis, George Hall.	{ McElwee, Daniel.
Lavelle, Henry Allman.	Hill, Samuel Reginald.
Snijman, Adrian Johannes Louw.	de Wet, Johannes Marthinus
{ Feldman, Salmon Louis.	Benjamin.
{ Pemberton, William Bernard	Exner, Herbert Victor.
Joseph.	{ Murphy, Richard Esmonde.
Maguire, Joseph Ballantyne.	{ Sheppard, John Farnsworth.
Micks, William Theodore.	Burns, Elsie Anna.
Blagoff, Athanas.	de Villiers, Johannes Philippus.

## SURGERY (B.CH.).

Feldman, Salmon Louis.	Cummins, Janie Millar.
Scholtz, Wouter de Vos.	M'Connell, William Frederick.
Davis, George Hall.	de Wet, Johannes Marthinus
Fox, William Burton.	Benjamin.
{ Baile, Olive.	Sheppard, John Farnsworth.
{ Robertson, Frederick William.	McElwee, Daniel.
{ Dowse, Eileen Hilda.	Smyth, Essie Stuart.
{ Hirschmann, Joseph.	Waugh, John Richard.

## MIDWIFERY (B.A.O.).

Lavelle, Henry Allman.	} <i>Passed on High Marks.</i>	{ Deale, Eric William Swain.
Moshal, Bernard.		{ Small, Francis Victor.
Snijman, Adrian Johannes Louw.		Brock, Christopher John
Davis, George Hall.		Laurence.
Van der Merwe, Frederick Ziervogel.		de Wet, Johannes Marthinus
Nurock, Maurice.	{	Benjamin.
Wicht, Johan Frederik.		Russell, William James Alexander.
Exner, Herbert Victor.		Brown, Moira Mary.
Coetzee, Johannes Cornelis.		Graham, Doris Louisa.
		Burns, Elsie Anna.
		Levy, Isaac.

## DIPLOMA IN PUBLIC HEALTH.

## PART I.

BACTERIOLOGY ; CHEMISTRY ; PHYSICS ; AND METEOROLOGY.

Boyle, Cornelius Charles.	{	Comerford, Charles Henry.
M'Carthy, Charles Joseph.		Gaha, John Francis.
Rock, Patrick.		Pengelley, Charles Edward.
Lyons, James.		Price, Alfred Henry.
Power, Thomas Declan.		Sturdee, Edwin Lawrance.
Graham, Matthew Joseph.		Walker, William Benjamin.
Dormer, Percival Atkin.		Sheppard, Mary Christina.

## PART II.

SANITARY ENGINEERING ; SANITARY INSPECTION AND REPORT ; HYGIENE ;  
EPIDEMIOLOGY ; VITAL STATISTICS ; PUBLIC HEALTH LAW.

Power, Thomas Declan.	{	Harkness, George Francis Innes.
M'Carthy, Charles Joseph.		Dormer, Percival Atkin.
Sturdee, Edwin Lawrance.		Boyle, Cornelius Charles.
Lyons, James.		Sutcliffe, William Henry.
Walker, William Benjamin.		Alley, George Oliver Fairtlough.
Jewell, Norman Parsons.		



## TRINITY TERM, 1920.

## PRELIMINARY SCIENTIFIC EXAMINATION.

## BOTANY AND ZOOLOGY.

King, Shana Dorothy.	<i>Passed on High Marks.</i>	Trant, Hope.
Dixon, Patrick Kerr.		Hopkins, William Arthur.
Wallace, James Waldo.		O'Kane, Patricia.
Dennard, Leslie David.		Stokes, John Everard.
Warnock, Robert.		Steen, Robert Elsworth.
Wilde, Otto Gruber.		Tweedy, Richard Thomas
M'Causland, Charles		Pilkington.
Edward.		Atkinson, John Noël.
Bradshaw, John Russell.		Deane, Annie Teresa.
Brough, Lewis Cress-		Fair, Aileen.
well.		Keatinge, Leslie Reginald Heber.
Labuschagne, Paul		Nevin, Henry Millar.
Nicolaas Harm.		North, Harold Stoney.
Magowan, Samuel		Rudd, Eric Thomas de Sioblade
Edgar.		Sutherland.
Anderson, Wilfred		Wilson, Charles Herbert.
Harpur.		Hemmingway, Douglas Lennox.
Mooney, Alan Joseph.		O'Sullivan-Beare, Donal Barry.
Speedy, William		Horwich, Jerreth.
Dinwoodie.		Crawford, Edward Sydney
O'Reilly, Thomas James.		Atkinson.
Loubser, Cornelius Johannes		du Toit, Jan Andreas.
Nicolaas.		Maxwell, William George Smith.
Scott, Norah Emily Carlton.		Wallace, Patrick.
Crawford, Thomas George Brown.		Perrem, Frederick Channon.
Beatty, John Edge.		Cusack, James Joseph.
M'Mahon, William John		Townsend, George William
Alexander.		Hughes.
Wood, William Stuart.		Head, Alfred Joseph.
Foster, Thomas Cartret.		MacMahon, Helena.
Simpson, Irwin Edward Paget.		Quigley, John.
Collins, John Cornelius.		Stapleton, Edward Eric George.
Wynne, Wilfrid Edward		Levingston, John Learmonth.
Carleton.		Young, Augusta Maud.
Proctor, Richard Lewis Gibbon.		Lowry, Hubert Steen Kilroy.
Livingston, Mary Cecilia.		Mackenna, Frederic Severne.
May, Thomas William.		Beggs, Samuel.
Robinson, George.		MacKenzie, Kenneth Fitzgerald.
Wigoder, Sylvia Beatrix.		Moore, Cecil Robert.
Dixon, William Arthur.		Adams, Frances.
M'Farland, George Gibson.		Redmond, William Alexander.
Thompson, Robert Gordon		Cronin, Richard Thomas.
Ffolliott.		Cooper, Isobel Olga.
Lyons, Desmond Kenny.		Cowan, George Abraham.
Rankin, George Douglas.		Cussen, Denis John.
Ferguson, Henry Arnot.		Laing, John Joseph.

PRELIMINARY SCIENTIFIC EXAMINATION—*contd.*

Crawford, John.	{ Miller, Mary Swan.
{ Dudgeon, Edward Caulfeild.	{ Wigoder, Simon.
{ Garde, Godfrey Walter.	Donaldson, Edith Isabel.
Crawford, Angel Valentine	Heatley, Robert Arthur.
Brown.	Hanna, John Ridgway.
{ Stuart, John Henry James.	M'Dermott, Samuel.
{ MacDonnell, John Anthony.	Armstrong, Henrietta.
Boyle, James Caird Carson.	Sherowitz, Maurice.

## BOTANY.

Morgan, Austin Arthur.	Strasburg, Israel,
Sless, Morris.	

## CHEMISTRY.

Beatty, John Edge.	} Passed on High Marks.	O'Grady, James Joseph.
{ Thompson, John Knox		Logan, Norman.
Stafford.		Warnock, Robert.
{ Henry, Robert Francis		Lyons, Desmond Kenny.
Jack.		{ Dobbyn, Alexander Lee.
Dixon, Patrick Kerr.		{ Gluckmann, Cecilia Reva.
Wilde, Otto Gruber.		{ Kelly, Agnes Leeper.
Sless, Morris.		MacDonnell, John Anthony.
Dickson, William Arthur.		{ Carson, Roy Knox.
May, Thomas William.		{ Murison, Kathleen Duffus.
Dennard, Leslie David.		{ Sloan, Gerrard Andrew.
Mooney, Evaline Elizabeth.		Disney, Marion Longridge.
Proctor, Richard Lewis Gibbon.		Sayers, Louis Philip.
Wallace, James Waldo.		Malone, Francis Laurence
Rankin, George Douglas.		Gerrard.
{ Isaacson, Isaac Jack.		Evans, David Cynfarwy.
{ Mooney, Alan Joseph.		Shafik, Ahmed Ahmed.
Brough, Lewis Cresswell.		Clark, Arthur Edward.
Weatherill, Gladys.		{ Johnston, John Moore.
Bradlaw, Mark Joseph.		{ Redmond, William Alexander.
{ O'Reilly, Thomas James.		{ Whitby, Jonathan Montague
{ Speedy, William Dinwoodie.		Ferdinand.
Aykroyd, Wallace Ruddell.		{ Bamford, Gordon Paul.
Ingham, Charles William Joseph.		{ Foster, Albert Victor.
M'Keag, Robert Humphreys.		{ Fox, Maurice Digby.
{ Bingham, Edward William.		{ Fulton, Jane Dick.
{ Byrne, Kathleen Rose.		{ Taylor, Charles Leo.
{ Gerrard, Maynard Atkinson.		{ Collins, John Cornelius.
{ Robinson, George.		{ Gallagher, William.
M'Farland, George Gibson.		{ Steen, Robert Elsworth.

## PHYSICS.

Beatty, John Edge.	{ Gillespie, George Fitzroy.
du Toit, Jan Andreas.	{ O'Grady, James Joseph.
Clark, Arthur Edward.	{ Greeves, Norman Mellor.
Sayers, Louis Philip.	{ Maguire, William Henderson.
Johnston, John Moore.	{ Walsh, Edmund Joseph.
Bradlaw, Mark Joseph.	

PRELIMINARY SCIENTIFIC EXAMINATION—*contd.*

Cussen, John.	Golding, Joseph Jack.
Dobbyn, Alexander Lee.	Mulhern, Maureen Claire.
Head, Alfred Joseph.	Perrem, Frederick Channon.
M'Keag, Robert Humphreys.	Purcell, Frederick Michael.
O'Kane, Patricia.	Shafik, Ahmed Ahmed.
Gray, Arthur Richardson.	Warrington, Robert Cecil Ussher.
Evans, David Cynfarwy.	

## INTERMEDIATE MEDICAL EXAMINATION.

## PART I.

## ANATOMY, PHYSIOLOGY, AND ORGANIC CHEMISTRY.

Micks, Robert Henry.	} Passed on High Marks.	Downing, Alice Mary Angela.
Jackson, Robert Tennant.		Wagner, Philip Frederick Henry.
Gluck, Bernard.		Schwartzberg, Maurice.
Gaynor, Joseph Alfred.		Crawford, Richard Ronald
Whaley, William		Dawson.
Frederick.		Dixon, William Samuel.
Darlington, Arthur.		van Druten, Nicolaas Jan
Downer, Eric Christopher.		Valkenberg.
Copeland, Ely Goodman.		Wilson, Thomas George.
M'Cormick, Victor Ormsby.		Eksteen, Albertus Wijnand
Malan, David Johannes.		Kalmanson, John.
Wagener, Maria Elisabeth.		Saunders, George Francis
O'Meara, Francis Joseph.		Thomas.
Reid, Martha.		Earl, John Cecil.
Irwin, Florine Isabel.		McElroy, Robert Samuel.
Ingham, Richard Henry Joseph.		Hill, Kathleen Edna.
Louw, Matthijs Petrus.		M'Cormick, John Eric.
Gordon, Jack Moir.		M'Kenna, James O'Neill.
Fisher, Robert Lucius Carey.		Boyd, Eileen Agnes.
Hegy, Reginald.		Moore, David Lucius Henry.
Hardy, Mary Enid.		Smith, Frederick William Gordon.
Deale, James Edward.		Fitzgerald, James Joseph.
Sibthorpe, Marjorie Frances.		van Heyningen, Cecil Gerhardus
Vellema, Douwe Marinus.		Sophie.
Wicht, John Ditton.		Duncan, William Linn.
Ovendale, Cecil Arthur Victor.		Samolsky, Percy.
Williams, Norman Ernest		Bernstein, Alexander.
Hamilton Powell.		Cowan, Margaret Lucretia.
Griffiths, Richard Cecil Lewis.		Harris, Lewis.
Fayle, Benjamin William Day.		Hugo, Hans Jacob.
Martin, Henry Meredith.		Milmo, Dermot Hubert Francis.
Viljoen, Mauritius Meiring.		Thompson, James Cuthbert.
Haitowitz, Joseph.		Kruger, Julius.
Hutchinson, William Edward.		

## PART II.

## APPLIED ANATOMY AND APPLIED PHYSIOLOGY.

Louw, Matthijs Petrus.	{	Haitowitz, Joseph.
Grobler, Paul Johannes.	{	Murphy, Henry James Leopold.
Marais, Ivan.	{	Shortt, Cecil de Lisle.
{ Hilliard, Francis Maybury.	{	Russell, Samuel Wilfrid.
{ Viljoen, Mauritius Meiring.	{	Stals, Johannes Hendrikus.
Sayers, Max.	{	Vivier, Barend.
Bradlaw, Albert Stanley.	{	Dockrell, Alice Evelyn.
Phillips, Albert Edward.	{	Odum, Muriel Vere.
Myers, Izidore Phineas.	{	O'Connor, Joseph Michael.
{ Satchwell, Robert Henry.	{	Malone-Barrett, Francis.
{ Stuart, Charlotte Annie.		

## APPLIED ANATOMY (COMPLETING EXAMINATION).

Joly, Henry Charles.

## FINAL MEDICAL EXAMINATION.

## PART I.

MATERIA MEDICA AND THERAPEUTICS ; JURISPRUDENCE AND HYGIENE ;  
PATHOLOGY AND BACTERIOLOGY.

Sacks, Izak George.	{	<i>Passed on High Marks.</i>	Cornick, Isaac.
Villet, Charles Theodore de Mornet.			Lawlor, Alice Elizabeth.
de Bruijn, Theunis.			Powell, May Evelyn.
{ Fair, Olive Victoria.			Agranat, Abraham.
{ Hofman, Jacob.			Flavelle, Ruth Florence.
Faussett, Robert Evatt.			Kirker, Gilbert.
Elion, Max.			Burt, Alida Charlotte.

## PATHOLOGY (COMPLETING EXAMINATION).

{ Healy, Patrick Joseph.	{	Thompson, John Douglas.
{ Todd, Alfred Henry Norman.		
{ Warham, Thomas Gerald.		

## PART II.

## MEDICINE (M.B.).

Allen, Eric Henry	{	<i>Passed on High Marks.</i>	Dowse, Eileen Hilda.
Cooke.			Graham, Doris Louisa.
Nurock, Maurice.			Smyth, Essie Stuart.
Russell, William James Alexander.			Fox, William Burton.
Cummins, Janie Millar.			Frazer, Edward Haslett.
Baile, Olive.			Coetzee, Johannes Cornelius.
van der Merwe, Frederick Ziervogel.			Pienaar, Frederick Wýnand.
			Burns, William Richard.
			Shegog, Frederick William.



## SURGERY (B.CH.).

{ Allen, Eric Henry	} <i>Passed on High Marks.</i>
{ Cooke.	
{ Micks, William Theo-	
{ dore.	
{ Exner, Herbert Victor.	
{ Small, Francis Victor.	
{ Snijman, Adrian	
{ Johannes Louw.	
{ van der Merwe,	
{ Frederick Ziervogel.	
Crosbie, John Henry Brewell.	
Russell, William James Alex-	
ander.	

Jabkovitz, Philip.  
Coetzee, Johannes Cornelius.  
Frazer, Edward Haslett.  
de Villiers, Johannes Philippus.  
Brown, Moira Mary.  
Pemberton, William Bernard Joseph.  
Maguire, Joseph Ballantyne.  
Moshal, Bernard.  
M'Brien, Mervyn Edmund.  
Pienaar, Frederik Wynand.

## MIDWIFERY (B.A.O.).

Stopford, Elinor Dorothy.  
Cary, Thomas Falkland Litton.  
{ Briggs, William Bruce.  
{ Shegog, Frederick William.  
Parr, Charles William.  
Pratt, Francis Young.  
Smith, Edmund Cecil.  
Leahy, James Daly.  
Levitt, Percival Israel.

{ Pienaar, Frederik Wynand.  
{ Power, Richard Wood.  
Latham, Donald Victor.  
{ M'Brien, Mervyn Edmund.  
{ M'Irath, Constance.  
Griffith, Nora.  
Healy, Patrick Joseph.  
Browne, David John.  
Smith, James Alexander.

## MASTER IN SURGERY (M.CH.).

Corkey, Isaac Whitla.

## DENTAL EXAMINATIONS.

## DENTAL ANATOMY.

Robb, George Cyril.  
Bailey, Frances Ethel.

Dickson, James Alfred Nicholson.

## PRELIMINARY SCIENTIFIC DENTAL EXAMINATION.

## CHEMISTRY.

Dickson, James Alfred Nicholson. | M'Keag, Robert Humphreys.

## PHYSICS.

Martin, William George.  
Wall, Thomas Raymond.

| Taylor, William Ritchie Sinclair.

## DIPLOMA IN PUBLIC HEALTH.

## PART I.

BACTERIOLOGY ; CHEMISTRY ; PHYSICS ; AND METEOROLOGY.

O'Halloran, Anna Mary Kathleen.	{ Gwynn, Eileen Gertrude.
Gordon, Rupert Montgomery.	{ M'Kinney, James Wilfred.
Lipman, Edward.	{ Gilbert, Jessie.
Quinn, Joseph Patrick.	{ Tottenham, Richard Edward.

## PART II.

SANITARY ENGINEERING ; SANITARY INSPECTION AND REPORT ; HYGIENE ;  
EPIDEMIOLOGY ; VITAL STATISTICS ; PUBLIC HEALTH LAW.

Comerford, Charles Henry.	{ Gordon, Rupert Montgomery.
Rock, Patrick.	{ M'Kinney, James Wilfred.
Graham, Matthew Joseph.	{ Tottenham, Richard Edward.
Price, Alfred Henry.	{ Pengelley, Charles Edward.
Gaha, John Francis.	{ Kelly, Carlile.

## SCHOOL OF ENGINEERING.

## ENGINEERING DEGREE EXAMINATION, 1920.

*Trinity Term. (Special Examination.)*

Troughton, John Herbert Watson.  
Crookshank, Henry.

Walpole, George Frederick.  
Moore, Edward Dawson.

## DIPLOMAS IN EDUCATION.

HILARY TERM, 1920.

PART I.

Baxter, Sara Marguerite.

TRINITY TERM, 1920.

PART I.

Quin, Dorothy.

DIPLOMAS IN ECONOMICS AND COMMERCIAL  
KNOWLEDGE.

TRINITY TERM, 1920.

Completed the Course for Diploma :—

M'Namee, Olivia Margaret.  
Bourhan, Martin Joseph.

## Degrees

CONFERRED AT THE COMMENCEMENTS HELD IN  
THE YEAR 1920 TO JUNE 30

### *Doctors in Divinity.*

APRIL 19, 1920.

Luce, Rev. Arthur Aston (*s.c.*)

Ross, Right Rev. Arthur Edwin, Lord Bishop of Tuam (*j. d.*).

JUNE 30, 1920.

Chase, Right Rev. Frederick Henry, Bishop of Ely (*h. c.*).

Paterson, Very Rev. William Paterson (*h. c.*).

### *Doctors in Laws.*

APRIL 19, 1920.

Scotfield, Rev. Ernest Frank.

JUNE 30, 1920.

Borland, Robert.

Bryce, Rt. Hon. James, Viscount  
of Dechmont (*h. c.*).

Bulfin, Sir Edward Stanislaus,  
K.C.B. (*h. c.*).

\*Chandhuri, Asvini Kumar.

\*Gadikhuk, Mohammed Alam.

Gray, Frederick William Barton,  
C.M.G. (*h. c.*).

\*Jones, Hume Riversdale.

Macalister, Sir Donald, K.C.B.  
(*h. c.*).

### *Doctors in Medicine.*

FEBRUARY 17, 1920.

Beatty, Frederick George.

\*Crichton, Eric Cuthbert.

Gordon, Rupert Montgomery.

\*Quinlan, Bernard Gerald.

APRIL 19, 1920.

Crawford, Herbert de Lisle.

Davidson, Andrew Hope.

Dormer, Percival Atkin.

Lyons, Robert Henry Cummins.

M'Crea, Edward D'Arcy.

Molloy, Hastings Harley.

Sutcliffe, William Henry.



## JUNE 30, 1920.

Bird, Jason Grant.  
 Chapman, Thomas Paul.  
 Collins, Herbert Stratford.  
 English, Joseph Sandys.  
 Furlong, Sydney Joseph Verner.  
 Garrod, Sir Archibald Edward,  
     K.C.M.G. (*h. c.*).  
 Hughes, Thomas Arthur.

Jackson, Meta Grace.  
 M'Keag, Philip Wolfe.  
 Ogilvie, James Carter.  
 Pim, Douglas Chetham.  
 Rice, Henry James.  
 Russell, Mortimer M'Gee.  
 Waters, William Rickard Lloyd.

*Doctor in Science.*

JUNE 30, 1920.

Bragg, Sir William Henry, K.B.E. (*h. c.*).*Doctor in Literature.*

JUNE 30, 1920.

Crooke, William, C.I.E. (*h. c.*).*Bachelors in Divinity.*

FEBRUARY 17, 1920.

Armstrong, Rev. Claude Blakeley.

APRIL 19, 1920.

Spurgeon, Thomas Harold.

JUNE 30, 1920.

Baylis, Rev. Harry James.

Warren, Rev. Frederick William  
 Wensley.

*Masters in Arts.*

FEBRUARY 17, 1920.

Brownrigg, Rev. Hedley William.  
 Champion, Rev. William Ashton.  
 Clark, Rev. Cecil Dawson.  
 England, Ralph Evan.

Pontet, Walter George William.  
 Price, Rev. Alfred Henry.  
 \*Tillyard, Pattie (*antea* Craske).  
 Wilkinson, Harold Howard.

APRIL 19, 1920.

\*Acheson, Rev. Archibald Howard  
     M'Causland.  
 \*Brydges, Rev. Jeremiah John.  
 Costello, John Francis.  
 Driver, Louis Joseph.  
 Dudley, Walter Lionel.  
 Duggan, Rev. Robert.

Haywood, Ethel Marjorie Car-  
     michael.  
 Shortt, Rev. Charles de Lisle.  
 Spurgeon, Thomas Harold.  
 \*Walters, Rev. Gordon Reynold.  
 Wigoder, Louis Eli.

JUNE 30, 1920.

*Barney, Richard William Durbin.	Kelly, Gertrude Eva.
Bradshaw, John Russell.	McCaughan, Rev. Thomas.
Brown, Thomas Rentoul.	Maltby, Rev. Robert Walter
Caley, Rev. William Leonard	Scott.
Bertram.	Manning, Rev. William
Chestnutt-Chesney, Frederick.	Wybrants.
Collins, Frederick Richard.	Murray, Rev. Robert Henry.
Colthurst, Rev. Percival.	Nicholson, James Frederick.
Conlin, William.	O'Connor, Rev. John.
Crooks, Rev. Louis Warden.	Poole, John Hewitt Jellett ( <i>s.c.</i> ).
Dee, Francis William.	Rodden, Adelaide Mary.
*Devlin, Rev. Thomas Stafford.	*Sankara Narayana, Brahmadesam
Dorman, Irene Olive.	Cidambi.
Fleury, Geraldine ( <i>antea</i> Murphy)	Smith, Vivian Fielding.
*Fowler, Rev. James Robinson.	Smith, Rev. William Henry.
*Geddes, Rev. Robert Finlay.	Stothers, Rev. Thomas.
Haddock, Rev. Josiah.	Thompson, Rev. Albert Ernest.
*Haire-Forster, Rev. Arthur.	Walker, Rev. Hubert Laurence.
Hall, James Beatty.	Walton, Rev. John Arthur.
Hall, Rev. Richard.	Warren, William John.
Hamilton, Rev. George.	Wilson, Rev. Geoffrey Moffat.
Jackson, Meta Grace.	

*Master in Surgery.*

JUNE 30, 1920.

Corkey, Isaac Whitla.

*Masters in Engineering.*

APRIL 19, 1920.

Costello, John Francis. | \*Neilson, William Hardcastle.

JUNE 30, 1920.

Dawson, Lionel Edward. | Ffolliott, John Hyde Robinson.

*Bachelors in Laws.*

FEBRUARY 17, 1920.

Leader, Rev. Leonard Leader.

JUNE 30, 1920.

*Chandhuri, Asvini Kumar ( <i>ad</i>	Smith, Leta Eileen.
<i>eund. Cantab.</i> ).	Ward, John Frederick.
Grant, Charles William.	

*Bachelors in Medicine, in Surgery, and in Obstetric Science.*

FEBRUARY 17, 1920.

Beatty, Thomas Edward Bellingham (*antea. Lic.*).

## APRIL 19, 1920.

Blagoff, Athanas.  
 Davis, George Hall.  
 \*de Wet, Johannes Marthinus  
   Benjamin.  
 Feldman, Salman Louis.  
 Haythornthwaite, Becher  
   FitzJames.  
 Healy, Francis.  
 Hirschmann, Joseph.

Lavelle, Henry Allman.  
 McConnell, William Frederick.  
 McElwee, Daniel.  
 Murphy, Richard Esmonde.  
 Robertson, Frederick William.  
 Scholtz, Wouter de Vos.  
 Sheppard, John Farnsworth.  
 Steyn, Arthur Isaac.  
 Wicht, Johan Fredrik.

## JUNE 30, 1920.

Allen, Eric Henry Cooke (*B.Ch.*  
   *s. c.*)  
 Baile, Olive.  
 Brown, Moira Mary.  
 Coetzee, Johannes Cornelius.  
 Cummins, Janie Millar.  
 de Villiers, Johannes Philippus.  
 Dowse, Eileen Hilda.  
 Exner, Herbert Victor Ferdinand  
   Franz.  
 Fox, William Burton.  
 Frazer, Edward Haslett.  
 Graham, Doris Louisa.  
 McKiernan, Thomas Hugh  
   Robinson (*antea Lic.*).

Maguire, Joseph Ballantyne.  
 Micks, William Theodore.  
 Moshal, Bernard.  
 Nurock, Maurice.  
 Pemberton, William Bernard  
   Joseph.  
 Pienaar, Frederik Wynand.  
 Russell, William James  
   Alexander.  
 Small, Francis Victor.  
 Smyth, Essie Stuart.  
 Snijman, Adrian Johannes Louw.  
 van der Merwe, Frederick  
   Ziervogel.

*Bachelors in Engineering.*

## FEBRUARY 17, 1920.

Hudson, John Richard Gibson.  
 Moran, John William.

Weldon, Hugh Bradshaw.

## APRIL 19, 1920.

Smyth, Henry James.

## JUNE 30, 1920.

Crookshank, Henry.  
 Mackey, Cornelius Anthony.  
 Moore, Edward Dawson.

Troughton, John Herbert  
   Watson.  
 Walpole, George Frederick.

*Bachelor in Science.*

## APRIL 19, 1920.

Carpenter, George Kingsford (*s. c.*).

*Bachelors in Arts.*

FEBRUARY 17, 1920.

*Pensioners.*

Beatty, Thomas Edward Belling-  
ham.  
Devane, James.  
Farrell, Robert Thompson.  
Felton, Robert Evan.  
Hudson, John Richard Gibson.  
Judd, Michael Austin.  
Maitland, Walter.  
Moore, David Lucius Henry.

Moran, John William.  
Ross, John Donald.  
Shegog, Frederick William.  
Stopford, Dorothy.  
Swanton, Austen.  
Weldon, Hugh Bradshaw.  
Wilkinson, Harold Howard.  
Wills, James Robertson.  
Wilson, Cecil Samuel.

APRIL 19, 1920.

*Junior Moderator.*

MacDermott, Edward Joseph.

*Pensioners.*

Armstrong, Arthur Patrick.  
Bennet, John Leslie.  
Blagoff, Athanas.  
Collins, Frederick Richard.  
Culverwell, Rev. Oliver Gerald.  
Deacon, Charles Henry.  
Evans, Nelson Graham.  
Eyre, Cecil George (*sch.*).  
Hall, James Beatty.  
Ince, Edward Lindsay (*ad eundem*  
*Cantab.*).  
Kirker, James Alastair.

Magill, John Fulton Gilliland.  
Maguire, Joseph Ballantine.  
Meredith, Frederick William  
(*sch.*).  
Rainey, Thomas.  
Scholtz, Wouter de Vos.  
Sheppard, John Faneworth.  
Smith, William Leslie Winslow  
(*sch.*).  
Smith, Leta Eileen.  
Smyth, Henry James.

JUNE 30, 1920.

*Respondents.*

Tichbourne, Theodora Olivia.  
Grime, Allan Godfrey.  
Walker, Arthur George.

*Pensioners.*

Alesbury, Edith Ellen.  
Armstrong, John.  
Bewley, Arthur Geoffrey.  
Bluett, Douglas.  
Bradlaw, Albert Stanley.  
Cairns, Rev. Alexander.  
Cockle, Beryl Frances Emily.

Cooke, George Henry.  
Copes, William.  
Craig, John Russell.  
Crockett, Rev. John Scott.  
Dench, Reginald Arthur.  
Dixon, Ernest George.  
Dorman, Dorothy Charlotte  
Hobart.  
FitzPatrick, Richard William.  
Good, William.  
Grant, Charles William.  
Hadden, Hans.  
Hamilton, Noble Holton.  
Hanna, William John.  
Hanretté, Wilfred Edmund.  
Harte, Eveline Mary.



*Bachelors in Arts—continued.*

Harte, Jane Elizabeth.	Madden, John Eusebius.
Herzenberg, Leo.	Moore, Dora Lois.
Hilliard, Francis Maybury,	Moran, George Septimus.
Hopkin-James, David Kynvelyn	Moshal, Bernard.
John.	Mounsey, John Milburn.
Horgan, Eric Sealy.	Murphy, Cyril James Ussher.
Huston, Charles William	Murphy, William Allen.
Archibald.	Muspratt, Eileen Dorothy
Irwin, Florine Isabel.	Frances.
Jabkovitz, Philip.	Noyes, Edwin Brownrigg.
Johnston, Samuel George.	Orr, John Ebenezer.
Johnston, Thomas Ernest.	Perdue, Ernest Louis.
Johnston, Terence Greer.	Pope, Richard Alexander
Johnston, William Walter	Dennistoun.
Cuthbert.	Powell, Edward Hawkshaw.
Kaplan, Max William.	Purcell, Noel Mary Joseph.
Landey, Dorothy Eileen.	Russell, Albert Victor John.
Lemon, Ruth.	Saunders, George Francis
Lindsay, Gladys Anne.	Thomas.
M'Bride, Robert Gardiner.	Scott, Charles Edward.
M'Clean, Frederick William.	Small, Francis Victor
M'Connell, Alfred.	Smith, Robert.
McCormick, Francis Harpur.	Strong, Herbert William.
MacDonald, James Andrew.	Walpole, George Frederick.
Mackey, Cornelius Anthony.	Ward, Henry Rowlands.
McKiernan, Thomas Hugh	Wheatley, Richard Elliott Parke.
Robinson.	Woodburn, David Barkley.

*Bachelors in Music, not being Graduates in Arts.*

FEBRUARY 17, 1920.

Duff, Arthur Knox.

JUNE 30, 1920.

Horne, John Thomas.

CONTINUATION OF THE LISTS GIVEN IN VOL. III,  
BEING A SPECIAL SUPPLEMENTAL VOLUME FOR  
1912-3.

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COLLEGE HISTORICAL SOCIETY.

*Auditors.*

- 1913-4 Edwin Stephen Lemass, Mod., B.A.  
1914-5 Thomas Douglas Murray Bartley.  
1915-6 Isaac Roundtree, Mod., B.A.  
1916-7 Isaac Roundtree, Mod., B.A.  
1917-8 Isaac Roundtree, Mod., B.A.  
1918-9 Theodore Conyngham Kingsmill Moore, Sch.,  
Sen. Mod., B.A.  
1919-20 Christopher John Lawrence Brock, B.A.  
1920-21 Barry St. John Galvin, Sch., B.A., M.C.

UNIVERSITY PHILOSOPHICAL SOCIETY.

*Presidents.*

- 1913-4 Robert Boyd, Sch.  
1914-5 Bolton Charles Waller, Sch., Sen. Mod., B.A.  
1915-6 Arthur Eustace Lockley West, Sch.  
1916-7 Ernest William Greening, Mod., B.A.  
1917-8 Leopold John Dixon Richardson, Sch., Sen. Mod., B.A.  
1918-9 Charles Henry Rowe, Sch., Sen. Mod., B.A., Univ Stud.  
1919-20 James Carlisle Davis, Sch., Sen. Mod., B.A.  
1920-21 Gordon Sylvester Bradshaw Mack, Sch.

COLLEGE THEOLOGICAL SOCIETY.

*Auditors.*

- 1913-4 William Townley Beckerson, Sch., Sen. Mod., B.A.  
1914-5 Alexander Ogilvy Hardy.  
1915-6 Rev. Arthur Gordon Hannon, B.A.  
1916-7 William Cecil de Pauley, Sen. Mod., B.A.  
1917-8 John Purser Shortt, Mod., B.A.  
1918-9 Benjamin William Horan, B.A.  
1919-20 Joseph Kildare Beattie, B.A.  
1920-21 Rev. Abraham Hobson, Mod., B.A.

SUCCESSFUL CANDIDATES FOR THE CIVIL SERVICE OF INDIA, AND  
THE HOME CIVIL SERVICE (CLASS I.).

The following Gentlemen were at the time of appointment, or had previously been, Students at the University of Dublin:—

206	Maurice Harrington Fitz Gerald, . . . . .	1912
207	Francis George McGibney, . . . . .	1913
208	Herbert Ribton Meredith, . . . . .	„
209	Robert Boyd, . . . . .	„
210	Francis Verner Wylie, . . . . .	1914
211	Richard Marsh Crofton, . . . . .	„
212	Henry Beatty, . . . . .	„
	[None.] . . . .	1915-1918
213	John Coote Donaldson, . . . . .	1919
214	George Henry Cooke, . . . . .	„
215	Joseph Boyd Irwin, . . . . .	„
216	William M'Cormick Sharpe, . . . . .	„
217	David Barkley Woodburn, . . . . .	„

OTHER SERVICES.

Oswald Eric Venables (Eastern Cadetship), . .	1914
Hamilton Beresford Barrett (Indian Forests), .	1919
Maurice Frederick Bridge (Indian Forests), .	„
Charles Cameron Courtenay Oulton (Egyptian Civil Service), . . . . .	„
Harold Percy Whitton Davis (Indian Forests), .	„

## JUNIOR AND SCHOOL EXHIBITIONERS AND KIDD SCHOLARS.

In the following lists the names are arranged in order of merit down to the last Junior Exhibitioner in each year, the first in each fourth year being a Kidd Scholar; but School Exhibitioners inserted after the last Junior Exhibitioner are not always next in order of merit. School Exhibitioners are distinguished by the mark ‡ placed after their names:—

### 1913.

*Kidd Scholar*—McLean, Alexander Foyle College, Londonderry.  
Dewar.

Trimble, Noël Desmond, . . .	Portora Royal School.
Mack, William Henry Bradshaw, ‡	High School, Dublin.
North, George Cecil, . . .	St. Andrew's College, Dublin.
Burns, Percival Fossy Tackaberry,	High School, Dublin.
Stevenson, Emily Helena, . . .	The Academy, Ballymena.
Larkin, Alfred Sloane, . . .	High School, Dublin.
Tate, Herbert, . . .	Cork Grammar School.
Clarke, James William, . . .	Mountjoy School, Dublin.
Woodburn, David Berkley, . . .	Foyle College, Londonderry.
Green, Isaac, . . .	Mountjoy School, Dublin.
Starkie, Walter Fitzwilliam, . .	Shrewsbury.
Donaldson, John Coote, . . .	Felsted School, Essex.
King, Edward Joseph, . . .	King's Hospital.
Cooke, George Henry, . . .	Bishop Foy's School, Waterford.
Armstrong, Persis Maud, . . .	Alexandra College, Dublin.
Frayne, John George, . . .	Mountjoy School, Dublin.
Smyth, Ida Caroline, . . .	Alexandra College, Dublin.
Greene, Godfrey Robert, ‡ . . .	Tipperary Grammar School.

### 1914.

Bailey, Kenneth Claude, . . .	St. Andrew's College, Dublin.
Doak, William Burton, . . .	Wesley College, Dublin.
Beatty, John Edge, . . .	St. Columba's College.
Browne, Walter FitzGerald, . .	St. Andrew's College, Dublin.
Satchwell, Ralph William, ‡ . .	Galway Grammar School.
Carpenter, George Kingsford, ‡ .	High School, Dublin.
Hogg, William Frederick, . . .	St. Andrew's College, Dublin.
Thompson, John Alexander, . .	Portora Royal School.
Dimond, Francis Robert, . . .	Mountjoy School, Dublin.
Troughton, John Herbert Watson,	Mountjoy School, Dublin.
Dowd, Wilfred Romney Godfrey,	St. Columba's College.
M'Cann, Thomas Stanislaus, . .	Mt. St. Benedict's School, Gorey.
McWilliam, William Nicholson, .	Campbell College, Belfast.
Ward, John Frederick, . . .	Foyle College, Londonderry.
Nurock, Maurice, . . .	High School, Dublin.



1914—*continued.*

Stevenson, Margaretta Tate,	. Alexandra College, Dublin.
Clarke, Harold Watson,	. Mountjoy School, Dublin.
Furlonger, Chas. Arth. Mackenzie	. Private Tuition.
Murphy, Henry James Leopold, ‡	. Grammar School, Drogheda.

## 1915.

Synge, John Lighton,	. St. Andrew's College, Dublin.
Whitfield, Vivian,	. Alexandra College, Dublin.
Irwin, Oliver Arthur Crawford,	. Earlsfort House, Dublin.
Harvey, John Alan, ‡	. Tipperary Grammar School.
McClenaghan, Herbert Eric St. George,	. Armagh Royal School.
Armstrong, Anna Elizabeth,	. Alexandra College, Dublin.
Gibson, Cyril Ernest,	. Mountjoy School, Dublin.
Stevenson, Archibald M'Corkell,	. Foyle College, Londonderry.
Horan, John Beattie,	. Mountjoy School, Dublin.
Ford, Arthur Theodore Irvine,	. King's Hospital, Dublin.
Walker, Francis William,	. Academical Institution, Coleraine.
Donnelly, Donal Ivor,	. Belvedere College.
Harrison, Desmond,	. Mountjoy School, Dublin.
Owens, Reuben Hirst,	. St. Andrew's College, Dublin.
Mein, Charles Benjamin,	. St. Andrew's College, Dublin.
Small, Victor Francis,	. St. Andrew's College, Dublin.
Walker, Maurice Cecil,	. Glenalmond, Perth.
Foley, Albert Maurice, ‡	. Tipperary Grammar School.
Mounsey, John Milburn, ‡	. High School, Dublin.

## 1916.

Mack, Gordon Sylvester Bradshaw, ‡	. The High School, Dublin.
Gibson, John Percival,	. R. Academical Institution, Belfast.
Johnston, Anne Elizabeth,	. Alexandra College, Dublin.
Laidlaw, William Allison,	. Wesley College, Dublin.
Ferguson, Robert Mervyn,	. Portora Royal School, Enniskillen.
Brunner, Basil Leonard,	. Mountjoy School, Dublin.
Kennedy-Skipton, George Stacy,	. Sherborne School, Dorset.
Lavelle, Dorothy Frances Hope,	. Victoria College, Belfast.
Dixon, Patrick Kerr,	. St. Andrew's College, Dublin.
Bell, James,	. R. Academical Institution, Belfast.
Franklin, Frederick Robert,	. Academical Institution, Coleraine.
Plumer, Arthur Murray,	. Mountjoy School, Dublin.
Callaghan, Thomas Edmonds,	. Avoca School, Blackrock.
Waleh, Cyril Edward,	. Mountjoy School, Dublin.
Bowers, Henry,	. Mountjoy School, Dublin.
Ruben, Hymen,	. The Academy, Banbridge.
Watson, Hester Adelaide,	. Alexandra College, Dublin.
Murphy, William Allen, ‡	. Tipperary Grammar School.
Murphy, Cyril James Ussher, ‡	. Drogheda Grammar School.

## 1917.

<i>Kidd Scholar</i> —Williams, Alfred	St. Andrew's College, Dublin.
Cecil.	
Tate, Jonathan, . . . .	Royal Academical Institution, Belfast.
Megarry, Thomas, . . . .	Royal Academical Institution, Belfast.
North, Harold Stoney, . . . .	St. Andrew's College, Dublin.
Eliassoff, Charles Edward, . . . .	Wesley College, Dublin.
Whitfield, Lionel Digby, . . . .	Mountjoy School, Dublin.
Darlington, Arthur, . . . .	St. Andrew's College, Dublin.
Jackson, Robert Tennant, . . . .	King's Hospital, Dublin.
Williams, Ernest Hillas, . . . .	Mountjoy School, Dublin.
Steele, Robert William, . . . .	Foyle College, Londonderry.
Woods, John Lowe, . . . .	Shrewsbury School.
Rainsford, Angel, . . . .	Alexandra College, Dublin.
M'Crea, Wm. Baker Edward, ‡ . . . .	High School, Dublin.
Walton, Robert Gabbett Dun- donald, ‡ . . . .	Grammar School, Tipperary.
Thrift, William Henry, . . . .	High School, Dublin.
Falkiner, Ninian M'Intire, . . . .	St. Stephen's Green School, Dublin.
Park, Mary Florence, . . . .	Victoria High School, Londonderry.
Boyd, Patrick Gardner, . . . .	Foyle College, Londonderry.
Morris, John Vincent, . . . .	Waterpark College, Waterford.
Murdock, Frederick Victor, ‡ . . . .	Grammar School, Drogheda.

## 1918.

Holmes, William, . . . .	Portora Royal School, Enniskillen.
Ffrench, Georgina Noelle Mary, . . . .	French School, Bray.
Brooks, Lilian May, . . . .	Alexandra College, Dublin.
Cunningham, Robert Alfred, . . . .	St. Andrew's College, Dublin.
Williams, Ernest Hillas, . . . .	Mountjoy School, Dublin.
Orr, Edith Kathleen, . . . .	Alexandra College, Dublin.
Tomlinson, Sara Eveline, . . . .	Victoria College, Belfast.
Downer, Eric Christopher, . . . .	Methodist College, Belfast.
Scales, Eric Wilfred, ‡ . . . .	High School, Dublin.
Downer, James Henry, . . . .	Mountjoy School, Dublin.
Beare, William, . . . .	Grammar School, Cork.
Steen, Frances Evelyn, . . . .	Alexandra College, Dublin.
Micks, Edward Christopher, . . . .	St. Stephen's Green School, Dublin.
Clayton, Muriel, . . . .	Victoria College, Belfast.
Ellis, Alexander Reuben, ‡ . . . .	High School, Dublin.
Gilbert, Thomas Travers, . . . .	Mountjoy School, Dublin.
Heaslip, John Ganly, . . . .	King's Hospital, Dublin.

## 1919.

Hornsby, Hazel Marie . . . .	Alexandra College, Dublin.
Duncan, George Alexander, . . . .	Campbell College, Belfast.
Shapira, Nathan, ‡ . . . .	High School, Dublin.

1919—*continued.*

North, Athol Erling, . . .	St. Andrew's College, Dublin.
FitzGibbon, Gerald, . . .	Cheltenham College.
Byron, Francis Thomas, . . .	Kilkenny College, Kilkenny.
Bayne, Alexander Wallace, . . .	Portora Royal School, Enniskillen.
Neligan, John Bourke, . . .	King's Hospital.
Thompson, Hugh Richard, . . .	Clarinda Park School, Kingstown.
Young, Robert Marcus, . . .	Mountjoy School, Dublin.
Reid, Thomas Bertram Wallace, . . .	Royal School, Armagh.
Smyllie, Alexander Walker Grahame,	Mountjoy School, Dublin.
Speedy, James, . . . . .	St. Andrew's College, Dublin.
Gordon, Alice, . . . . .	Victoria High School, Kingstown.
Troughton, Arthur Stanley, . . .	Mountjoy School, Dublin.
Anderson, Eric Lytton, . . . .	St. Andrew's College, Dublin.
Crampton, William Edward, . . .	Mountjoy School, Dublin.

## SENIOR EXHIBITIONERS.

1913.

Martin, Denys Richard.	Anderson, John Thomas.
Moran, Francis.	Dowling, Thomas Michael.
Brownell, Reginald Samuel.	Brunton, Charles Eason.
Funston, Margaret Florence.	Johnston, Wilfred.
Johnson, Marjorie Violet.	Hardy, Jessie.
Price, Ivon Kinahan.	Bridge, Maurice Frederick.
Fitzgerald, Geraldine.	Smyly, Phyllis Claudia.
Glen, James Alexander.	Monroe, Olive Mary.

1914.

Hughes, Kathleen Harriet.	Campling, Nora.
Synge, Victor Millington.	O'Grady, James Joseph.
Horan, Benjamin William.	Smith, William Leslie.
Thornton, Harold Victor.	Owens, Percival Hirst.
Spence, David Sheridan.	Hobson, Abraham.
Beaumont, John Nelson.	Hughes, William James.
Moore, Eva Elizabeth.	Coursey, Edward Bartholomew.
Anderson, Marguerite.	Wilson, Daisy.

1915-

North, George Cecil.	Butler, Annie Kathleen.
Hall, Margaret Anderson.	M'Iroy, Mary French.
Woodburn, David Barkley.	Humphreys, Margaret Crawford.
MacDonald, Margaret Esme Le Clere.	Harding, Mabel Caroline.
Madden, John Eusebius	Buchanan, William Oliver.
Smyth, Ida Caroline.	Russell, William James Alex- ander.
Armstrong, Persis Maud.	Deane, Joseph Eugene.
Stevenson, Emily Helena.	Boyce, Alfred William.

## 1916.

Stevenson, Margaretta Tate.  
Daly, Dorothy Alice.  
Barrington, Margaret Louise.  
Lawlor, Alice Elizabeth.

Cherry, Maud Henrietta.  
Woodburn, Sara Mary.  
Eyre, Cecil George.

## 1917.

Gibson, Cyril Ernest.  
Noble, Elizabeth.  
Thompson, George.  
Cole-Baker, Eileen Dorothy.  
Donnelly, Donal Ivor.  
Burnside, Evelyn Margaret  
Georgina Evans.  
McCaughy, James.  
Glasgow, Benjamin George Little.

Ruben, Harry.  
Giltrap, Rupert Henry.  
Barclay, George Harold.  
Robinson, Thomas Henry.  
Mahony, James Francis.  
Clotworthy, Anna Maria.  
Orr, Annie Gwendoline Holmes.  
Osborne, Dorothy Winifred.

## 1918.

Kennedy-Skipton, George Stacy.  
Williamson, Wilhelmina.  
Bowers, Henry.  
Ruben, Hymen.  
Watson, Hester Adelaide.  
Lavelle, Dorothy Frances Hope.  
Judge, Lucy Ruth.

Copeland, Mary Edith.  
Finch, Ruby Violet.  
Wilson, Dominick Patrick Sarsfield.  
Aykroyd, Phyllis.  
Lyndsay, David Victor.  
Wood, Olive Janie.

## 1919.

Wilson, Mabel Kathleen Annie.  
MacDermott, Hilda.  
North, Harold Stoney.  
Jackson, Robert Tennant.  
Anderson, Ivy Geraldine.  
Armstrong, Anna Elizabeth.  
Callaghan, Thomas Edmonds.  
Lyons, Robert Biggart.  
Stokes, Isabel Barbara Susan.

Leslie, Kathleen Margaret Bulfin.  
Whitfield, Lionel David.  
Moorhead, Robert James.  
Maginess, Brian.  
Park, Mary Florence.  
Harman, Samuel Thomas  
Sarsfield.  
Nimmons, Joseph.

## PRIZEMEN AT THE DEGREE EXAMINATION.

## STUDENTS.

*(The first name in any year is that of the Mathematical Student, the second that of the Classical Student.)*

1913 Webster, Margaret Agnes.  
Wylie, Francis Verner.  
1914 Collins, Maurice.  
Mullan, Charles Seymour.  
1915 [None.]  
Murock, Max.  
1916 [None.]  
Richardson, Leopold John  
Dixon.

1917 Rowe, Charles Henry.  
Micks, Robert Henry.  
1918 Broderick, Timothy Stanislaus.  
Doak, William Burton.  
1919 Syngé, John Lighton.  
Whitfield, Vivian.



## BROOKE PRIZEMEN.

*Mathematics.*

1913	[None.]
1914	Anderson, Janie.
1915	[None.]
1916	[None.]
1917	Tate, Herbert.
1918	[None.]
1919	Beatty, John Edge.

*Classics.*

1913	Beatty, Henry.
1914	Spurgeon, Thomas Harold.
1915	Kyle, John Andrew.
1916	Davis, James Carlisle.
1917	Starkie, Walter Fitzwilliam.
1918	[None.]
1919	Irwin, Oliver Arthur Crawford.

## MODERATORSHIP PRIZEMEN.

1913.

Beatty, Henry, ..	£20	Greeves, Mary Florence, ..	£15
McGibney, Francis George, ..	30	Gibson, Joseph Hugh, ..	15
McCormick, Georgina, ..	30	Dickey, Robert Steen, ..	15
Renton, Janie Karolin, ..	40	McSwiney, Eugene John, ..	15
Mason, Thomas Godfrey ..	30	Hume, Walter Oakman, ..	15
Meagher, James Francis, ..	20	Crofton, Richard Marsh, ..	10
Linton, Kathleen Mary, ..	20	Seymour, William Herbert, ..	10
Dillon, William Ambrose, ..	20	Purcell, Herbert Kevin, ..	10
Douglas, Arthur Henry, ..	20	Patton, Elsie Rankin, ..	10
Culverwell, Anne Beatrice ..	20		
Davies, Emlyn Berkely ..	15		£380

1914.

Anderson, Jeanie, ..	£10	Hardy, Alexander Ogilvy, ..	£15
Baile, George Cecil Frederick, ..	30	de Pauley, William Cecil, ..	15
Ball, Nigel Gresley, ..	30	Foster, Thomas Cartret, ..	15
Kyle, David Logan, ..	30	Lindsay, Mary Florence, ..	15
Duncan, Lilian, ..	25	Khan, Shafaat Ahmad, ..	15
Waller, Dorothea Catherine, ..	20	Owen, Florence May, ..	15
Lewis, Iva Gwendoline, ..	20	McDermott, Samuel, ..	10
McIlroy, Rita, ..	20	McCrea, Thomas, ..	10
Pearsall, Richard Montague		Kilroe, Elizabeth Sarah, ..	10
Stack, ..	20		
Glenn, Cecil William, ..	20		£345

1915.

Kyle, John Andrew, ..	£50	Flewett, Henry Walter, ..	£10
Johnston, Wilfrid, ..	50	Brunton, Charles Eason, ..	10
West, Arthur Eustace Lockley, ..	40	Froude, Edward, ..	10
Farrington, Benjamin, ..	35	Monroe, Olive Mary, ..	10
Poole, John Hewitt Jellett, ..	25	Hardy, Jessie, ..	10
Magowan, John Hall, ..	25	Hamill, John Bernard, ..	10
Glen, James Alexander, ..	20	Moran, Frances, ..	10
Fearon, William Robert, ..	20	Ray, Winifred, ..	10
Johnson, Marjorie Violet, ..	15	Davids, Ethel Isabella Gore, ..	10
Fitzgerald, Geraldine, ..	15		
Funston, Margaret Florence			£395
Wilhelmina, ..	10		

## 1916.

Hughes, Kathleen Harriett, £20	Kyle, Frances Christian, .. £10
M'Crea, Edward D'Arcy, .. 20	Stewart, Rebecca M'Causland, 10
Moore, Theodore Conyngham	Gibson, Gladys Aimée Naomi, 10
Kingsmill, .. .. 20	Price, Mona Steele, .. 10
Anderson, Marguerite, .. 15	Purefoy, Wilfred Angel Mary, 10
Moore, Eva Elizabeth, .. 10	Beaumont, John Nelson, .. 10
Barlas, Alexander Richard, 10	
Wilson, Herbert Vaughan, 10	£165

## 1917.

Starkie, Walter Fitzwilliam, £10	Gahan, Mary Kathleen Grania, £10
Tate, Herbert, .. .. 10	Armstrong, Persis Maud
O'Connor, Dorothy Georgina	Moote, .. .. 10
Noel, .. .. 20	Morphy, Kathleen Mary, .. 10
Macdonald, Margaret Esmé	M'Iroy, Mary French, .. 10
Le Clere, .. .. 10	Harding, Mabel Caroline, .. 10
Noble, Emily Mary, .. 10	Smyth, Ida Caroline, .. 10
Sibthorpe, Marjorie Frances, 10	
	£130

## 1918.

Carpenter, George Kingsford, £20	Hogg, Amy, .. .. £10
Cherry, Maud Henrietta, .. 20	Magowan, Jane Elizabeth, 10
Patton, Francis Pettierew, .. 20	Barrington, Margaret Louise, 10
Morrow, Ian Fitzherbert	Flood, Maggie Greer, .. 10
Despard, .. .. 10	
Rawlins, Winifred Alice, .. 10	£120

## 1919.

Mack, William Henry	Gibson, Cyril Ernest, .. £10
Bradshaw, .. .. £40	Noble, Elizabeth, .. 10
Robinson, Thomas Henry, .. 20	M'Kinney, Laura, .. 10
Purefoy, Thomas Amyrald	Woodburn, Sara Mary, .. 10
Wray, .. .. 20	Wilson, Aileen Dorothy Mary, 10
West, William George, .. 10	Osborne, Dorothy .. 10
Davis, Harold Percy Whitton, 10	Cole-Baker, Eileen Dorothy, .. 10
Donaldson, John Coote, .. 10	Giltrap, Rupert Henry .. 10
MacLarnon, James Ernest, .. 10	
Bateman, John Victor, .. 10	£210

## KING EDWARD PRIZEMEN.

1913 Anderson, Eleanor James.	1917 Couser, Violet Mignon.
1914 Murray, Menzies.	1918 M'Kee, Harry.
1915 Carpenter, Thomas Lionel.	1919 Glynn, Patrick.
1916 Syngé, Victor Millington.	

## FELLOWSHIP PRIZEMEN.

(The first in each year, except 1920, obtained THE MADDEN PRIZE.)

1913 James Maxwell Henry. Henry Mannington Wilkins Burd. Claude Blakeley Armstrong.	1915 Henry Mannington Wilkins Burd. Maurice Arthur Charles Wilkins.
1914 Henry Mannington Wilkins Burd. Francis La Touche Godfrey. Claude Blakeley Armstrong. Maurice Arthur Charles Wilkins. Wilfrid Walker Grundy.	1920 Edward Lindsay Ince. Timothy Stanislaus Broderick. John Lighton Synge.

PRIZEMEN IN SUBJECTS CONNECTED WITH THE STUDY  
OF DIVINITY.

## WALL BIBLICAL SCHOLARS.

1913 Edwards, James.	1917 Bateman, John Victor.
1914 Smyth, John Hawkins.	1918-1919 [None.]
1915 Horan, Benjamin William.	1920 Tomkin, Harris.
1916 Buchanan, William Oliver.	

## ELRINGTON THEOLOGICAL SUBJECTS AND PRIZEMEN.

1913.

The Eschatology of the Gospels  
in relation to our Lord's Teaching  
and Mission.

Willis, William Ireland.

*Extra Prize.*

Duggan, Charles Cook Whittaker.

1914.

The conflict in the past and  
present between Islam and Christi-  
anity in North Africa.

Duggan, George Chester.

1915.

The bearing of Assyriological  
and Egyptological research upon  
the trustworthiness, in details, of  
the Biblical records of the Kings of  
Israel and Judah.

Spurgeon, Thomas Harold [in  
part].

Hobson, John [in part].

1916.

The primitive conceptions of  
sacrifice, as expressed in Judaism  
and in other non-Christian systems  
of religion.

Harvey, William Nesbitt Wilson.

1917.

The influence of the Jewish  
eschatological literature upon the  
New Testament.

[None.]

1918.

The history, diffusion, and in-  
fluence of Monachism in the  
Eastern Church.

Bonyng, Frank.

1919.

International relationships in the  
light of Christianity.

Campbell, Ernest Henry FitzGerald.

*Extra Prize.*

Shortt, Charles de Vere.

## PRIZEMEN IN MATHEMATICS.

## LLOYD EXHIBITIONERS.

1913	Anderson, Jeanie.
1914	{ Conlin, Bernard Francis.
	{ West, Arthur Eustace Lockley.
1915	West, James Stafford.
1916	Rowe, Charles Henry.
1917	Broderick, Timothy Stanislaus.
1918	Synge, John Lighton.
1919	Walsh, Cyril Ernest.

## BISHOP LAW'S PRIZEMEN.

1913 [None.]	1917 [None.]
1914 [None.]	1918 [None.]
1915 [None.]	1919 [None.]
1916 [None.]	

## M'CULLAGH PRIZEMEN.

1913 [None.]	1917 Broderick, Timothy Stanislaus.
1914 [None.]	1918 [None.]
1915 [None.]	1919 Synge, John Lighton.
1916 Rowe, Charles Henry.	1920 [None.]

*Subjects for the M'Cullagh Prize.*

1913-1918 Gamma Functions, and Functions of Laplace, Lamé, and Bessel, with Physical Applications.

1919-1920. Hydrodynamics.

## MICHAEL ROBERTS PRIZEMEN.

1913 West, Arthur Eustace Lockley.	1917 Synge, John Lighton.
1914 West, James Stafford.	1918 Walsh, Cyril Edward.
1915 Rowe, Charles Henry.	1919 Williams, Alfred Cecil.
1916 Beatty, John Edge.	

## TOWNSEND MEMORIAL PRIZEMEN.

1913 West, James Stafford.	1917 Plumer, Arthur Murray.
1914 Russell, William James.	1918 Williams, Alfred Cecil.
1915 Beatty, John Edge.	1919 Williams, Ernest Hillas.
1916 Synge, John Lighton.	



## PRIZEMEN IN CLASSICS.

## BERKELEY MEDALLISTS.

1913 Nurock, Max.	1916 Mack, William Henry Bradshaw.
Mullan, Charles Seymour.	Micks, Robert Henry.
1914 Kyle, John Andrew.	1917 [None.]
Purefoy, Thomas Amyrald Wray.	1918 Doak, William Burton.
1915 Farrington, Benjamin.	[None.]
Richardson, Leopold John Dixon.	1919 [None.]
	1920 Ferguson, Robert Mervyn.
	Bailey, Kenneth Claude.

*Subjects for the Berkeley Medal Examination.*

- 1913 Aristotle: *Rhetoric* and *Poetic*: and [Longinus] *περὶ ῥητορ.*  
 1914 The *Argonautica* of Apollonius Rhodius, with the poem of the same name in the *Orphica*.  
 1915 The *Orations* of Isocrates.  
 1916 Aeschylus (including the *Fragments*).  
 1917 Demosthenes.  
 1918 Lucian.  
 1919 Demosthenes.  
 1920 The *Iliad* of Homer.

## VICE-CHANCELLOR'S LATIN MEDALLISTS.

1913 Nurock, Max.	1916 [None.]
Kyle, John Andrew.	1917 Doak, William Burton.
1914 Purefoy, Thomas Amyrald Wray.	Irwin, Oliver Arthur Crawford.
Richardson, Leopold John Dixon.	1918 [None.]
1915 Mack, William Henry Bradshaw.	1919 Bailey, Kenneth Claude.
Micks, Robert Henry.	Laidlaw, William Allison.

*Subjects for the Vice-Chancellor's Latin Medal Examination.*

- 1913 Virgil (*Bucolics*, *Georgics*, and *Æneid*).  
 1914 *Epistulae* and *Panegyricus* of C. Plinius Caecilius Secundus.  
 1915 Lucan's *Pharsalia*.  
 1916 Plautus.  
 1917 Caesar, *Libri VII De Bello Gallico* cum A. Hirti supplemento;  
*Libri III De Bello Civili* cum *Libris incertorum Auctorum De Bello Alexandrino, Africo, Hispaniensi* (as contained in the Oxford Text).  
 1918 Plautus.  
 1919. Cicero, *Epistulae ad Familiares*.

VICE-CHANCELLOR'S PRIZEMEN IN COMPOSITION.

1913.

English Verse.—“Tintagel.”

Doak, Houston Larmour.

Smyth, Edith Charlotte.

English Prose.—“English Allegory — Mediæval, Renaissance, Puritan.”

Burd, Henry Mannington Wilkins.

Latin Verse.—“Marius.”

Nurock, Max.

Greek or Latin Prose.—“The Rôle of Imaginative Fiction in Greek or Roman as compared with Modern Literature.”

[None.]

1914.

English Verse.—“The Church of Santa Sofia at Constantinople.”

Roche, Stephen Anselm.

English Prose. — “Literary Dictators and their influence on letters.”

[None.]

Latin Verse.—“The fate of Captain Scott and his Comrades.”

Kyle, John Andrew.

Greek and Latin Prose. — “Imperialism.”

[None.]

1915.

English Verse.—“The death of Brian Boru” (900th anniversary, 1914).

White, Herbert Martin Oliver.

English Prose. — “Ireland’s contribution to present-day literature and drama.”

White, Herbert Martin Oliver.

Latin Verse.—“Erin.”

Nurock, Max.

Doak, Houston Larmour.

Greek Prose. — “The Indian Mutiny.”

Richardson, Leopold John Dixon.

1916.

English Verse.—“The Hellespont.”

Moore, Theodore Conyngham Kingsmill.

English Prose.—“American contributions to, and influence upon literature and learning.”

White, Herbert Martin Oliver.

Greek or Latin Prose.—“The Ironies of Civilization” (a Greek or Latin Dialogue in the style of Plato or Cicero).

[None.]

Greek or Latin Verse.—“Thermopylæ.”

Greek Verse.—

Richardson, Leopold John Dixon.

Latin Verse.—

Doak, William Burton.

## 1917.

English Verse.—“The retreat at Mons.”

Fearon, Robert William.

English Prose.—“Lines of advance of the more recent criticism of Shakespeare” (Shakespeare Tercentenary, 1916).

[None.]

Greek or Latin Prose.—“The Olympic Games and their influence on Greece.”

[None.]

Latin Verse.—War.

Doak, William Burton.

## 1918.

English Verse.—“The effects produced upon Literature by great wars.”

[None.]

English Prose.—“Orange and Green.”

[None.]

Greek Prose.—“A dialogue on Might is Right.”

Doak, William Burton.

Latin Verse.—“’Tis Greece, but living Greece no more.”

Richardson, Leopold John Dixon.

## 1919.

English Verse.—“America.”

[None.]

English Prose:—“Future social reconstruction considered in relation to the thought of bygone poets and idealists.”

[None.]

Greek or Latin Prose.—“Greek and Roman Education.”

[None.]

Greek or Latin Verse.—“The Isles of Greece.”

[None.]

## 1920.

English Verse.—“The Nike of Samothrace.”

Tate, Jonathan.

English Prose.—“The League of Nations.”

Leslie, Mary Isabel.

Greek or Latin Prose.—“Slave labour in ancient times, and its economic and moral effects.”

[None.]

Greek or Latin Verse.—“The Rhine.”

[None.]

## FERRAR MEMORIAL PRIZEMEN.

1913 Nurock, Max.

1914 Ellis, Charles.

1915 Richardson, Leopold John Dixon.

1916 Deane, Elizabeth.

1917 Micks, Robert Henry.

1918 { Irwin, Oliver Arthur Crawford.

{ Whitfield, Vivian.

1919 Ferguson, Robert Mervyn.

1920 Kennedy-Skipton, George Stacy.

## TYRRELL MEMORIAL PRIZEMEN.

1914 Richardson, Leopold John Dixon.

1916 [None.]

1918 Doak, William Burton.

## WILLIAM ROBERTS PRIZEMEN.

1913 Nurock, Max.	1916 Doak, William Burton.
1914 Richardson, Leopold John Dixon.	1917 Whitfield, Vivian.
1915 Mack, William Henry Brad- shaw.	1918 Ferguson, Robert Mervyn.
	1919 Bailey, Kenneth Claude.

## MULLINS CLASSICAL PRIZEMEN.

1913 [None.]
1916 [None.]
1919 [None.]

## PRIZEMEN IN MENTAL AND MORAL PHILOSOPHY.

## WRAY PRIZEMEN.

1913 {	Beatty, Henry.
	Gibson, Joseph Hugh Rush.
1914	Foster, Thomas Cartret.
	Mullan, Charles Seymour.
	( <i>Proxime Accessit.</i> )
1915	Nurock, Max.
1916	Moore, Eva Elizabeth.
1917	Rowe, Charles Henry.
1918	Coolican, Ethel Mary.
1919	Robinson, Thomas Henry.
	Thompson, George.
1920	Gibson, John Percival.

*Special Work appointed for the Wray Prize.*

1913, 1914, 1915	Bergson's "Creative Evolution."
1916	Green's "Prolegomena to Ethics," Books iii and iv.
1917	Bergson's "Matter and Memory."
1918, 1919	M'Dougall's "Body and Mind" (3rd ed., 1915).
1920	Rashdall's "Theory of Good and Evil."

## PRIZEMEN IN EXPERIMENTAL SCIENCE.

## FITZ GERALD MEMORIAL SCHOLARS.

1913 Morphy, Henry.	1917 [None.]
1914 [None.]	1918 [None.]
1915 Poole, John Hewitt Jellett.	1919 Syngé, John Lighton.
1916 [None.]	

## PRIZEMEN IN HISTORY AND POLITICAL SCIENCE.

## CLUFF MEMORIAL PRIZEMEN.

1913 Owen, May.	1917 Cherry, Maud Henrietta.
1914 Fitz Gerald, Geraldine.	1918 Thompson, George.
1915 Thornton, Harold Victor.	1919 Mack, Gordon Sylvester
1916 Hannay, Theodosia Frances Wynne.	Bradshaw.



## DUNBAR INGRAM MEMORIAL PRIZEMEN.

1913 Fitz Gerald, Geraldine.	1916 Daly, Dorothy Alice.
1914 Purefoy, Thomas Amyrald Wray.	1917 Thompson, George.
1915 Madden, John Eusebius.	1918 Wood, Olive Janie.
	1919 Longfield, Ada Kathleen.

## PRIZEMEN IN POLITICAL ECONOMY.

1913 Tomlinson, Eileen Margaret.	1917 [None.]
Kelly, Bryan Albert.	1918 Thompson, George.
1914 Glenn, Cecil William.	[None.]
Armstrong, Olive Gertrude.	1919 [None]
1915 Lindsay, Florence Mary.	Maginess, Brian.
[None.]	1920 Johnston, Anne Elizabeth.
1916 Maginess, Henry Augustus.	Mustoe, Nelson Edwin.
FitzGerald, Geraldine.	

*Special Subjects for Prizes in Political Economy.*

- 1913 Municipal Trading.  
 1914 Industrial Conflicts : their character and appropriate remedies.  
 1915 Railway and Transport Problems.  
 1916 Labour Combinations.  
 1917, 1918 The Industrial Revolution, 1760-1830.  
 1919 War Finance.  
 1920 Combinations in Modern Trade and Industry.

## WHATELY MEMORIAL PRIZEMEN IN POLITICAL ECONOMY.

1917 Murray, Robert Henry.

*Subjects appointed for the Whately Memorial Prize.*

1917 Emigration and Immigration.

## PRIZEMEN IN ENGLISH AND MODERN LANGUAGES.

VICE-CHANCELLOR'S PRIZEMEN. (See Vice-Chancellor's Prizemen in Composition.)

## PRIZEMEN IN OLD AND MIDDLE ENGLISH.

- 1913, 1914, 1915 [None.]  
 1916 White, Herbert Martin Oliver.  
       Davids, Ethel Isabella Gore.  
 1917 Farrington, Benjamin.  
 1918 Macdonald, Margaret Esmé Le Clere.  
 1919 Williamson, Wilhelmina.  
 1920 Spielman, Ivy Valerie.

## DOCTOR HENRY HUTCHINSON STEWART LITERARY SCHOLARS.

1913 Broderick, Thomas.	1917 Hogg, Amy.
1914 Magowan, John Hall.	1918 Cole-Baker, Eileen Dorothy.
1915 Stewart, Rebecca M'Causland.	1919 North, Meta Evelyn.
1916 O'Connor, Dorothy Georgina Noel.	

## LITLEDALE PRIZEMEN

1913 Fitz Gerald, Geraldine.	1916 Cherry, Maud Henrietta.
1914 Stewart, Rebecca M'Causland.	Woodburn, Sara Mary.
1915 Deane, Elizabeth.	1917 Thompson, George.
	1918 Williamson, Wilhelmina.
	1919 MacDermott, Hilda.

## PRIZEMEN IN ITALIAN.

1913 Dillon, William Ambrose.	1918 [None.]
1914 Oulton, Charles Cameron Courtney ( <i>2nd Class</i> ).	1919 { Davis, Harold Percy Whitton. Dromgoole, Alice Mary Elizabeth. Lane-Joynt, Olive.
1915 [None.]	
1916 O'Connor, Dorothy Georgina Noel.	
1917 Mahony, James Francis.	

## PRIZEMEN IN SPANISH.

1913, 1914, 1915, 1916, 1917, 1918.	[None.]
1919 Noble, Elizabeth.	
Abernethy, Norah.	
1920 Killingley, Arthur Victor	Greratt.

## PRIZEMEN IN OLD FRENCH AND PROVENÇAL.

1913 Dillon, William Ambrose.	1917 Hogg, Amy.
1914 { Linton, Kathleen Mary.	1918 Barrington, Margaret Louise.
{ Moran, Frances Elizabeth.	1919 Deane, Elizabeth.
1915 Eccles, Frances Muriel.	1920 North, Meta Evelyn.
1916 Cullinan, Muriel Frances	
Maude.	

## PRIZEMEN IN GENERAL ANSWERING.

## JELLETT PRIZEMEN FOR GENERAL ANSWERING.

1913	Froude, Edward. M'Connell, Ernest.	1917	Morris, Ernest William. Mills, John Victor Stratton.
1914	Stewart, Rebecca M'Causland. { Brady, Norah. Fair, Henry. Foster, Robert Hosford. Hanbridge, Alfred Austin. Roche, Thomas Allen.	1918	Lane-Joynt, Olive. { Sleith, Harley Lisle. Williams, Norman Ernest Hamilton Powell. Williams, Thomas Herbert.
1915	Frizzell, Richard. Perry, John.	1919	Wilson, Mark. [None.]
1916	Reid, Robert Higginson. Carpenter, George Kings-		

## PRIZEMEN IN ORIENTAL LANGUAGES.

## PRIZEMEN IN CHALDEE AND SYRIAC.

1913 M'Dermott, Samuel.		1918 Bateman, John Victor.
1914, 1915, 1916. [None.]		1919 [None.]
1917 Bateman, John Victor.		1920 Tomkin, Harris.

## PRIZEMEN IN ARABIC.

1913 Gröne, Hermann Dawson.		1914-1919 [None.]
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## PRIZEMEN IN PERSIAN.

1913 Acheson, James Glasgow.		1915 Wylie, Francis Verner.
1914 Taylor, James Braid.		1916-1920 [None.]

## PRIZEMEN IN HINDUSTANI.

1913 Davies, Arthur Cecil.		1915 Wylie, Francis Verner.
1914 Taylor, James Braid.		1916-1919 [None.]

## PRIZEMEN IN SANSKRIT.

1913-1920 [None.]

## PRIZEMEN IN THE SCHOOL OF DIVINITY.

## THEOLOGICAL EXHIBITIONERS.

1913 Hobson, John.		1917 Edwards, James.
Norton, Edward Moore.		Osborne, Henry John.
1914 Harvey, William Nesbitt		1918 Horan, Benjamin William.
Wilson ( <i>2nd Rank Exhibition</i> ).		[None.]
1915 Beckerson, William Townley.		1919 [No Candidates.]
1916 [None.]		1920 [No Candidates.]

## ARCHBISHOP KING'S DIVINITY PRIZEMEN.

1913 Beckerson, William Townley.		1916 Horan, Benjamin William.
Darling, Vivian William.		Kenny, William Edward.
1914 Simpson, Bernard William.		1917 [No candidates.]
Hannon, Arthur Gordon.		1918 [None.]
1915 Oswald, Henry Usher.		Ledwich, Edward Leyland.
Brownell, Edward.		1919 Frizzel, Richard.
		Hall, William.

## BISHOP FORSTER'S DIVINITY PRIZEMEN.

1913 Beckerson, William Townley.	1917 [None.]
Hardy, Alexander Ogilvy.	Willis, Joshua Samuel.
1914 Gransden, William James.	1918 Ledwich, Edward Leyland
Kelly, Denis.	[None.]
1915 de Pauley, William Cecil.	1919 Hall, William.
Oswald, Henry Usher.	Frizzel, Richard.
1916 Horan, Benjamin William.	
Kenny, William Edward.	

## WARREN CHURCH FORMULARIES PRIZEMEN.

1913 Harvey, William Nesbitt	1917 Horan, Benjamin William.
Wilson.	1918 Sinnamon, Frederick
1914 Beckerson, William Townley.	Joseph.
1915 Simpson, Bernard William	1919 Ledwich, Edward Leyland.
1916 Oswald, Henry Usher.	1920 Beattie, Joseph Kildare.

## RYAN PRIZEMEN.

1913 Beckerson, William Townley.	1918 Beattie, Joseph Kildare.
1914 Gransden, William James.	1919 Hall, William.
1915 de Pauley, William Cecil.	1920 Irwin, Oliver Arthur Crawford.
1916 [None.]	
1917 Parr, William John.	

## BEDELL SCHOLARS.

1913 [None.]	1915-1920 [None.]
1914 Fisher, Oswald Garrow.	

## KYLE PRIZEMEN.

1913 Smyth, William.	1915 Fisher, Oswald Garrow.
1914 { Fisher, Oswald Garrow.	1916-1920 [None.]
{ Smyth, William.	

## CARSON BIBLICAL PRIZEMEN.

1913 Good, Walter.	1917 M'Combe, Isaac Hill.
1914 Fleming, Robert.	1918 [None.]
1915 Waller, Bolton Charles.	1919 Hobson, Abraham.
1916 Daunt, Hugh Maurice.	1920 Irwin, Oliver Arthur Crawford.

## PRIZEMEN IN THE SCHOOL OF LAW.

## PRIZEMEN IN CIVIL LAW.

1913 Meagher, William Francis.	1917 Beatty, Arthur James.
Price, William George.	1918 Mills, John Victor Stratton
1914 Glenn, Cecil William.	Fitzsimmons, Richard
Couser, Isobel Irene.	Gerald.
1915 Maginess, Henry Augustus.	1919 Giltrap, Rupert Henry.
FitzGerald, William James.	1920 Halpin, John Ralph.
1916 FitzGerald, Herbert Gerald.	Johnston, Anne Elizabeth.
Sankara Narayana, Brah-	
madesam Cidambi.	



## PRIZEMEN IN FEUDAL AND ENGLISH LAW.

1913 Delamer, Gerald FitzHerbert. Price, William George.	1918 Rawlins, Winifred Alice. Scallon, Francis Joseph Elliott.
1914 Glenn, Cecil William. Smyth, Irvine Johnston.	1919 Mills, John Victor Stratton. Giltrap, Rupert Henry.
1915 White, John Malvern. Moore, Theodore Conyng- ham Kingsmill.	1920 Halpin, John Ralph. { Smith, Philip Norbent. { Wheeler, George Bonnef- forde.
1916 Beatty, Arthur James.	
1917 Sankara Narayana, Brah- madesam Cidambi. Walsh, John James.	

## PRIZEMEN IN CONSTITUTIONAL AND CRIMINAL LAW.

1913 Price, William George. Delamer, Gerald FitzHerbert. Callaghan, Arthur Nickson.	1917 Sankara Narayana, Brah- madesam Cidambi. Devlin, John Joseph Lee.
1914 Glenn, Cecil William. Smyth, Irvine Johnston.	1918 Rawlins, Winifred Alice. { Holliday, Edith. { Nichols, Beryl.
1915 Moore, Theodore Conyng- ham Kingsmill. Wilson, Herbert Vaughan. White, John Malvern.	1919 Mills, John Victor Stratton. Giltrap, Rupert Henry.
1916 Beatty, Arthur James.	1920 Halpin, John Ralph. Smith, Philip Norbent.

## PRIZEMEN IN JURISPRUDENCE AND INTERNATIONAL LAW.

1913 Meagher, James Francis. Callaghan, Arthur Nickson.	1917 Beatty, Arthur James. Beaumont, John Nelson.
1914 Glenn, Cecil William. { Moore, Mary Kathleen. { Simon, Frank.	1918 Fitzsimmons, Richard Gerald Mills, John Victor Stratton.
1915 Moore, Theodore Conyng- ham Kingsmill. FitzGerald, William James.	1919 Giltrap, Rupert Henry. Grant, Charles William.
1916 FitzGerald, Herbert Gerald. Sanakara Narayana, Brah- madesam Cidambi.	1920 Johnston, Anne Elizabeth. Maginess, Brian.

PRIZEMEN FOR DISTINGUISHED ANSWERING AT THE  
EXAMINATION FOR THE REID PROFESSORSHIP.

1915 Webb, Ambrose Henry.  
Duncan, John Colley.

## PRIZEMEN IN SCHOOL OF PHYSIC.

## MEDICAL TRAVELLING PRIZEMEN AND BANKS MEDALLISTS.

1913-1917 [None.] | 1919 Synge, Victor Millington.

## SIR JOHN BANKS PRIZEMEN.

1913 [None.]	1917 [None.]
1915 Daniel, Herbert M'Williams.	1919 [None.]

## SURGICAL TRAVELLING PRIZEMEN AND BENNETT MEDALLISTS.

1914 Chance, Arthur.
1916-20 [None.]

## EDWARD HALLARAN BENNETT PRIZEMEN.

1914 Revington, Georgina.
1916-20 [None.]

## FITZPATRICK SCHOLARS.

1913 Hadden, David Hamilton.	1917 M'Crae, Edward D'Arcy.
1914 Oliver, John Dudgeon.	1918 Parker, Harry Lee.
1915 { Hayes, Edmund Duncan	1919 { Callanan, John Charles
Tranchell.	Joseph.
1916 { Speares, John.	Resnekov, Reuben.
Lane, Thomas Joseph.	1920 Abrahamson, Leonard.

## MEDICAL SCHOLARS.

*Physics, Chemistry, Botany, and Zoology.*

1913 Fearon, William Robert.	1917 [None.]
1914 Parker, Harry Lee.	1918 Spence, David Sheridan.
1915 [None.]	1919 Cornick, Isaac.
1916 [None.]	1920 Joly, Lucy Mary.

*Anatomy and Institutes of Medicine.*

1913 Corkey, Isaac Whitla.	1917 Coolican, John Henry.
1914 Ramsay, Robert Clement	1918 Allen, Eric Henry Cooke
Burke.	1919 Lawlor, Alice Elizabeth.
1915 Fearon, William Robert.	1920 Dijkman, Cornelis Derksen.
1916 Fouché, Johannes Cornelis.	

## DR. HENRY HUTCHINSON STEWART MEDICAL SCHOLARSHIPS.

*Physics, Chemistry, Botany, and Zoology.*

1913 Syngé, Victor Millington.	1918 Daly, Dorothy Alice.
1914 [None.]	1919 Brunton, Charles Eason.
1915 [None.]	1920 Dixon, Patrick Kerr.
1916, 1917 [None.]	

*Anatomy and Institutes of Medicine.*

1913 Joughin, George.	1918 Snyman, Adrian Johannes
1914 Grimby, Alan Francis.	Louw.
1915 M'Crea, Edward D'Arcy.	Smyth, Essie Stuart.
1916, 1917 [None.]	(Special for two years.)
	1919 Horgan, Eric Sealy.
	1920 Micks, Robert Henry.

## JOHN MALLET PURSER MEDALLISTS.

1913 Bigger, Joseph Warwick.	1917 Cummins, Janie Millar.
1914 Fearon, William Robert.	1918 Davis, George Hall.
1915 Parker, Harry Lee.	1919 Bewley, Maurice.
1916 { Long, Noelle.	1920 Whaley, William Frederick.
{ Quin, James Sinclair.	

## DANIEL JOHN CUNNINGHAM MEDALLISTS.

1913 Ramsay, Robert Clement Burke.	1917 Allen, Eric Henry Cooke.
1914 M'Crea, Edward D'Arcy.	1918 Willock, Edith Florence.
1915 Scharff, John William.	1919 Bewley, Maurice.
1916 M'Quade, Cecil Emrys.	1920 Downer, Eric Christopher.

## SCHOOL OF ENGINEERING.

## STUDENTS TO WHOM SPECIAL CERTIFICATES HAVE BEEN GRANTED.

1913.

*Practical Engineering.*

Clegg, Richard Bagnall.	Gardner, Eric.
Gilmore, George Ross.	Morphy, Henry.
Douglas, Arthur.	Doyle, Joseph Patrick.
Watson, William.	{ Baile, George Frederick Cecil.
Kiersey, Thomas.	{ Wilmot, Horace Francis.
Stevenson, George.	Nicholls, Henry.

*Mechanical and Experimental Physics.*

Wilmot, Horace Francis.	Douglas, Arthur.
Gilmore, George Ross.	

*Mining, Chemistry, Geology, and Mineralogy.*

Gardner, Eric.	Douglas, Arthur.
Clegg, Richard Bagnall.	Stevenson, George.

*Electrical Engineering.*

Douglas, Arthur.	Clegg, Richard Bagnall.
Gardner, Eric.	

1914.

*Practical Engineering.*

Woodside, James.	Kyle, David Logan.
Meredith, Dermot.	Stringer, Albert Edward.
McCahon, Robert.	Musgrave, Christopher.
Somerville, Richard Newman.	Craig, Isaac Murray.

*Mechanical and Experimental Physics.*

Somerville, Richard Newman.		Woodside, James.
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*Mining, Chemistry, Geology, and Mineralogy.*

Potterton, William Hubert.		Woodside, James.
Somerville, Richard Newman.		McCahon, Robert.

*Electrical Engineering.*

Woodside, James.		Kyle, David Logan.
McCahon, Robert.		

1915.

*Practical Engineering.*

Murphy, Dermott.		Blunden, Eric Overington.
Cope, George Ivan.		Allen, Wentworth.
Bradley, Joseph.		Musgrave, Francis Edward.
Moffatt, William James.		

*Mining, Chemistry, Geology, and Mineralogy.*

Moffatt, William James.		Cope, George Ivan.
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*Electrical Engineering.*

Carolin, Charles.		Moffatt, William James.
Cope, George Ivan.		

1916.

*Practical Engineering.*

Poole, John Hewitt Jellett.		Twitchett, William.
Lewis, Henry William.		Ffolliott, John Hyde Robinson.
Stone, William Henry Copeland.		Bergin, Charles Joseph.

*Mechanics and Experimental Science.*

Poole, John Hewitt Jellett.		Stone, William Henry Copeland.
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*Mining, Chemistry, Geology, and Mineralogy.*

Stone, William Henry Copeland.		Poole, John Hewitt Jellett.
Lewis, Henry William.		Twitchett, William.

*Electrical Engineering.*

Poole, John Hewitt Jellett.		{ Stone, William Henry Copeland.
Lewis, Henry William.		{ Twitchett, William.



1917.

*Practical Engineering.*

Rankin, Robert William Roy.

1918.

*Mining, Chemistry, Geology, and Mineralogy.*

Glasgow, Benjamin George Little. | Gibson, Cyril Ernest.

*Electrical Engineering.*

Glasgow, Benjamin George Little. | Gibson, Cyril Ernest.

*Practical Engineering.*

Glasgow, Benjamin George Little. | Gibson, Cyril Ernest.

1919.

*Practical Engineering.*

Chapman, Frederick William. | Smyth, Henry James.

1920.

*Practical Engineering.*

Troughton, John Herbert Watson.

## PRIZEMEN IN GEOLOGY AND MINERALOGY.

*Middle Year.*

1913 Stevenson, George.  
 1914 Woodside, James.  
 1915 Owens, William Brabazon.  
 1916 [None.]  
 1917 Gibson, Cyril Ernest.  
 1918 Smith, Henry James.  
 1919 Troughton, John Herbert  
 Watson.

*Senior Year.*

1913 Somerville, Richard New-  
 man.  
 1914 Cope, George Ivan.  
 1915 Doran, Walter.  
 1916 Stone, William Henry  
 Copeland.  
 1917 Rankin, Robert William  
 Roy.  
 1918 Glasgow, Benjamin George  
 Little.  
 1919 Smyth, Henry James.

# GRADUATES IN HONORS AT THE B.A. DEGREE EXAMINATION.

1913.

## SENIOR MODERATORS.

### *Mathematics.*

Webster, Margaret Agnes.

### *Classics.*

{ McGibney, Francis George.  
 { Wylie, Francis Verner.  
 Beatty, Henry.  
 Patton, Elsie Rankin.

### *Mental and Moral Philosophy.*

\*McCormick, Georgina.  
 Beatty, Henry.  
 Davies, Emlyn Berkeley.  
 Greeves, Mary Florence.  
 Gibson, Joseph Hugh Rush.  
 Dickey, Robert Steen.  
 Purcell, Herbert Kevin.  
 Webster, Margaret Agnes

### *Natural Science.*

[A.]

\*Mason, Thomas Godfrey.  
 Stewart, Eliza Jane.

[B.]

McSweeney, Eugene John.

### *History and Political Science.*

Wylie, Francis Verner.  
 Crofton, Richard Marsh.  
 Armstrong, Olive Gertrude.  
 Kelly, Olive Constance.  
 Bridge, Blacker Frank.  
 Clarke, Henry Jessop St. John.

### *Modern Literature.*

\*Renton, Janie Karolin (*Fr. & G.*).  
 Linton, Kathleen Mary (*Fr. and Eng.*).  
 Dillon, William Ambrose (*Fr. and G.*).  
 Seymour, William Herbert (*Fr. and Eng.*).  
 Moore, Nina Joyce (*Fr. and Eng.*).  
 Coates, Charlotte Elsie (*Fr. and G.*)

### *Legal and Political Science.*

Meagher, James Francis.  
 Hume, Walter Oakman.  
 Delamer, Gerald Fitz Herbert.  
 Callaghan, Arthur Nickson.  
 Kelly, Denis Bernard.

### *Engineering Science.*

Douglas, Arthur Henry.

### *Celtic Languages.*

Culverwell, Anne Beatrice.

## JUNIOR MODERATORS.

*Mathematics.*

[None.]

*Classics.*

Murphy, William Haughton.  
 Venables, Oswald Eric.  
 Crofton, Richard Marsh.  
 Priestman, Harold Eddey.  
 Johnson, Sara Winifred.  
 Doak, Houston Larmour.

*Mental and Moral Philosophy.*

Thomas, Francis Stephen.  
 Stewart-Moore, John Leslie.  
 Cosgrave, Percival Reginald.  
 Orr, Adrian William Fielder.

*Experimental Science.*

Cooke, John Harbourne.

*Natural Science.*

[A.]

Hadden, Kathleen Frances.

[B.]

Robinson, James Salmond.

*History and Political Science.*

Young, Lawrence Hingston  
 Lindsay.  
 Elliott, Robert Cyril Hamilton  
 Glover.  
 Henderson, Kathleen Mont-  
 gomery.  
 Acheson, Archibald Howard  
 McCausland.

*Modern Literature.*

Hillis, Aileen Annie (*Fr. and G.*).  
 Noyes, Claude Robert Barton  
 (*Fr. and Eng.*).  
 Bernard, Alice Eleanor (*Fr. and  
 Eng.*)  
 Weatherup, Mary (*Fr. and G.*).  
 Brabazon, Kathleen Jane Major  
 (*Eng. and G.*).

*Legal and Political Science.*

Robinson, Robert Cecil.  
 Roundtree, Isaac.  
 Wakely, Ion George.  
 Power, Charles Stewart.

*Engineering Science.*

Watson, William.

## SUPPLEMENTAL SENIOR MODERATORS.

*Natural Science.*

[B.]

Hayes, Edward Duncan Franchelle.  
 Joughin, George.

## SUPPLEMENTAL JUNIOR MODERATORS.

*Mathematics.*

Lavery, John Perry.

*Classics.*

Douglas, Archibald Beck.  
 Fisher, Oswald Garrow.

## RESPONDENTS.

*January.*

Jones, Horace Francis.

*April.*

Macourt, William Thomas.

*June.*

Boyle, David Dorrington.  
 McMullan, William John.  
 McCullagh, Frederick Richard.  
 Dickey, Mabel Elizabeth.

*December.*

Anderson, Eleanor Jane.  
 Jamison, May Margaretta.  
 Orr, Ethel.

1914.

## SENIOR MODERATORS.

*Mathematics.*

Anderson, Jeanie.  
Collins, Maurice.

*Classics.*

Mullan, Charles Seymour.  
Spurgeon, Thomas Harold.

*Mental and Moral Philosophy.*

\*Baile, George Cecil Frederick.  
Mullan, Charles Seymour.  
Waller, Dorothea Catherine.  
Hardy, Alexander Ogilvy.  
de Pauley, William Cecil.  
Foster, Thomas Cartret.  
M'Dermott, Samuel.  
Collins, Maurice.  
Scott, Marie Janet.

*Experimental Science.*

Lewis, Iva Gwendoline.

*Natural Science.*

[A.]

\*Ball, Nigel Gresley.  
M'Illroy, Reta.  
Barron, Jacob Maurice.  
Wilson, Annie.

## JUNIOR MODERATORS.

*Mathematics.*

Perry, William Millar.

*Classics.*

Jamison, Samuel Wallace.  
Stevenson, William King.

*Mental and Moral Philosophy.*

Henderson, George York.  
Ferguson, William.  
Henderson, Alice Maud.  
Hurley, Gertrude Charlotte.

*Experimental Science.*

Wilson, Edith Gertrude.

*History and Political Science.*

\*Kyle, David Logan.  
Lindsay, Mary Florence.  
Khan, Shafaat Ahmad.  
Owen, Florence May.  
M'Crea, Thomas.  
Murphy, Johnston.  
Blair-White, Arthur.

*Modern Literature.*

Pearsall, Richard Montague Stack  
(*Fr. and G.*).  
Kilroe, Elizabeth Sarah (*Fr. and G.*).  
Burgess, Kathleen Anna (*Eng. and G.*).  
Smyth, Edith Charlotte (*Eng. and Fr.*).

*Legal and Political Science.*

Glenn, Cecil William.

*Celtic Languages.*

\*Duncan, Lilian.

*History and Political Science.*

{ Duncan, Ida May Coffin.  
{ Pearsall, Janet Grace Hobhouse.  
Wynn, Kathleen Edith Williams.  
Wiley, Ethel Elizabeth.  
Ardill, Constance Isabel.

*Modern Literature.*

Butler, Meta Letitia Mary (*Fr. and Eng.*).  
{ Bradshaw, Charlotte May (*Fr. and Eng.*).  
{ Hanrahan, Norah (*Fr. and G.*).

*Legal and Political Science.*

Quinlan, Patrick Francis.  
Deverell, Averil Katherine  
Slatter.



## SUPPLEMENTAL SENIOR MODERATORS.

*Mental and Moral Philosophy.*

Lyle, John M'Elderry.

*Modern Literature.*White, Herbert Martin Oliver  
(*Fr. and Eng.*).

## SUPPLEMENTAL JUNIOR MODERATORS.

*Classics.*

Maplesden, Muriel.

*Legal and Political Science.*

M'Tighe, Robert.

*Modern Literature.*Kyle, Rosetta (*Fr. and G.*).  
Lunn, Hugh Kingsmill (*Eng. and G.*).

## RESPONDENTS.

*January.*

Williams, Gerald Leopold.

*June.*Sara, Edmund Willoughby.  
Bailey, Thomas Arthur.  
Blackburn, Charles James.*April.*{ Howarth, John George.  
{ Driver, Louis Joseph.  
{ Roche, Stephen Anselm*December.*

Murray, Menzies.

1915.

## SENIOR MODERATORS.

*Mathematics.*West, Arthur Eustace Lockley.  
Johnston, Wilfred.  
Funston, Margaret Florence  
Wilhelmina.  
Conlin, Bernard Francis.*Mental and Moral Philosophy.*† Nurock, Max.  
Kyle, John Andrew.  
Johnson, Marjorie Violet.  
Farrington, Benjamin.  
Brunton, Charles Eason.  
Froude, Edward.  
Smyly, Phyllis Claudia.  
Anderson, John.  
Daunt, Hugh Maurice.*Classics.*† Nurock, Max.  
Kyle, John Andrew.  
Farrington, Benjamin.  
Flewett, Henry Walter.  
Glen, James Alexander.  
Ellis, Charles.*Experimental Science.*

† Poole, John Hewitt Jellett.

SENIOR MODERATORS—*continued.**Natural Science.*

B.

† Fearon, William Robert.

*History and Political Science.*

FitzGerald, Geraldine.  
 Glen, James Alexander.  
 Monroe, Olive Mary.  
 Hardy, Jessie.

*Modern Literature.*

† Magowan, John Hall (*Fr. and G.*).  
 Moran, Frances Elizabeth (*Eng and Fr.*).  
 Ray, Winifred Isabel (*Fr. and G.*).  
 Davids, Ethel Isabella Gore (*Eng. and Fr.*).

*Legal and Political Science.*

Hamill, John Bernard.  
 Maginess, Henry Augustus.

## JUNIOR MODERATORS.

*Classics.*

Brownell, Reginald Samuel.

*Mental and Moral Philosophy.*

Wilson, Ethel Margaret.  
 Shortt, John Purser.  
 Ellis, Charles.  
 Morphy, Enid Noël.  
 Flewett, Henry Walter.  
 Matthews, Edwin James.  
 Strawbridge, Robert.  
 Browne, Harold Robert.  
 McConnell, Ernest.

*Natural Science.*

A.

Varian, Walter Osborne.

B.

Wright, Alan Glynn.

*History and Political Science.*

Johnston, Wilfrid.  
 Walmsley, Alwyn Arthur.  
 Jackson, Adrienne Ruby.  
 French, Elsie May.

*Modern Literature.*

Sharpe, May (*Eng. and G.*).  
 Eccles, Murie Frances (*Eng. and Fr.*).  
 Michael, Elizabeth (*Eng. and Fr.*).

*Legal and Political Science.*

Gillespie, John.

## SUPPLEMENTAL SENIOR MODERATOR.

*Modern Literature.*Wilson, Mary (*Fr. and G.*).

## SUPPLEMENTAL JUNIOR MODERATORS.

*Classics.*

Irvine, Hugh Alexander.

*Mental and Moral Philosophy.*

Osborne, Henry John.

*Modern Literature.*Colquhoun, Annie Kathleen (*Fr. and G.*).

## RESPONDENTS.

*January.*

Jasper, Thomas Clyde.

Morris, Newsam.

Rogers, Louis.

*April.*

Martin, Denys Richard.

Copley, Jessie Winifred May.

*June.*

{ Broadhead, James Arthur.

{ York, Charles Henry.

Young, Adelaide Matilda.

McGeagh, William John.

Boyd, James.

Benison, Joseph Edward.

*December.*

Carpenter, Thomas Lionel.

Cocksedge, Beatrice Winifred.

Skyrm, Llewellyn.

Acheson, Elizabeth Baldrick.

1916.

## SENIOR MODERATORS.

*Mathematics.*

[None.]

*Classics.*

†Richardson, Leopold John Dixon.

Davis, James Carlisle.

*Mental and Moral Philosophy.*

Richardson, Leopold John Dixon.

Moore, Eva Elizabeth.

Thompson, Lilian Mary.

*Experimental Science.*

†Hughes, Kathleen Harriet.

*Natural Science.*

[B.]

†M'Crea, Edward D'Arcy.

Barlas, Alexander Richard.

Luce, Ethel Marjorie.

*History and Political Science.*

Davis, James Carlisle.

Campling, Nora.

*Legal and Political Science.*\*Moore, Theobald Conyngham  
Kingsmill.

Wilson, Herbert Vaughan.

Kyle, Frances Christian.

*Modern Literature.*Anderson, Marguerite (*Fr. and Ger.*).{ Stewart, Rebecca M'Causland  
(*Eng. and Fr.*).{ Gibson, Gladys Aimée Naomi (*Fr. and Ger.*).{ Price, Mona Steele (*Eng. and Fr.*){ Purefoy, Winifred Angel Mary  
(*Eng. and Ger.*).*Celtic Languages.*

Beaumont, John Nelson.

*Engineering Science.*

[None.]

JUNIOR MODERATORS.

*Classics.*

Thornton, Harold Victor.

*Natural Science.*

[B.]

Fouché, John Cornelis.

*History and Political Science.*

M'Ivor, Flora.

Cargin, Eleanor Macpherson.

Thornton, Harold Victor.

Devlin, Edward John.

*Legal and Political Science.*

Logan, Lily.

*Modern Literature.*

Clarke, Isabella Hutchinson  
(*Eng. and Fr.*).

Goodfellow, Kathleen (*Eng. and Fr.*).

SUPPLEMENTAL JUNIOR MODERATORS.

*History and Political Science.*

Rodden, Adelaide Mary.

Bonyngé, Frank.

*Legal and Political Science.*

Villiers, Norah Hermione.

Shortt, Charles.

RESPONDENTS.

*January.*

Oulton, Charles Cameron  
Courtenay.

*April.*

Frazer, Thomas.

Carter, Alfred Ernest.

*June.*

Williams, Annie Adeline.

James, George.

Kilpatrick, James.

*December.*

Synge, Victor Millington.

Horan, Benjamin William.

Crooks, Louis Warden.

1917.

SENIOR MODERATORS.

*Mathematics.*

†Rowe, Charles Henry.

Tate, Herbert.

*Classics.*

†Micks, Robert Henry.

Starkie, Walter Fitzwilliam.

*Mental and Moral Philosophy.*

†Rowe, Charles Henry.

Micks, Robert Henry.

*Experimental Science.*

Tate, Herbert.

*Natural Science.*

[None.]

*History and Political Science.*

Sibthorpe, Marjorie Frances.

Starkie, Walter Fitzwilliam.

Gahan, Mary Kathleen Grania.

Smyth, Ida Caroline.

Hurford, Mabel Elinor.

Hannay, Theodosia Frances  
Wynne.

*Legal and Political Science.*

[None.]

† Large Gold Medal.



SENIOR MODERATORS—*continued.**Modern Literature.*

- †O'Connor, Dorothy Georgina  
Noel (*Fr. and Ger.*).  
Macdonald, Margaret Esmé  
Le Clerc (*Eng. and Fr.*).  
Noble, Emily Mary (*Fr. and Ger.*).  
{ Armstrong, Persis Maud Moore  
(*Eng. and Fr.*).  
{ Morphy, Kathleen Josephine  
Mary (*Eng. and Fr.*).  
{ M'Ilroy, Mary French (*Fr. and Ger.*).  
{ Harding, Mabel Caroline (*Eng. and Fr.*).

*Celtic Languages.*

[None.]

*Engineering Science.*

[None.]

## JUNIOR MODERATORS.

*Mathematics.*

Butler, Annie Kathleen.

*Classics.*

[None.]

*Mental and Moral Philosophy.*

Boyd, George Thompson.  
Kerr, William John.  
Hobson, Abraham.

*Legal and Political Science.*

Fynne, Robert John.

*Modern Literature.*

Price, Kathleen Arnold (*Eng. and Fr.*).  
Humphreys, Margaret Crawford  
(*Eng. and Fr.*).

## SUPPLEMENTAL JUNIOR MODERATORS.

*Mathematics.*

Wilson, Daisy.

*Mental and Moral Philosophy.*

Shortt, Charles De Lisle.

*Modern Literature.*Lyttle, Martha Agnes (*Fr. and Ger.*).

## RESPONDENTS.

*January.*

[None.]

*April.*

Russell, Olive Beatrice.

*June.*

Perry, John.  
Dee, Francis William.  
Warnock, William Herbert.  
Hammond, George Graham.  
Stothers, Thomas.

*December.*

Spence, David Sheridan.  
Couser, Violet Mignon.  
Frizzell, Richard.  
Irvine, Gladys Vera.  
Shearman, Josiah Francis.

1918.

## SENIOR MODERATORS.

<i>Mathematics.</i>	<i>History and Political Science.</i>
Broderick, Timothy Stanislaus.	Cherry, Maud Henrietta. Doak, William Burton. Morrow, Ian Fitzherbert Despard.
<i>Classics.</i>	
Doak, William Burton.	<i>Legal and Political Science.</i>
<i>Experimental Science.</i>	Rawlins, Winifred Alice.
Carpenter, George Kingsford. Broderick, Timothy Stanislaus.	<i>Modern Literature.</i>
<i>Natural Science.</i>	Patten, Frances Petticrew ( <i>French and German</i> ). { Hogg, Amy ( <i>French and German</i> ). Magowan, Jane Elizabeth ( <i>French and German</i> ). Barrington, Margaret Louise ( <i>French and German</i> ).
[A.]	
Flood, Maggie Greer.	

## JUNIOR MODERATORS.

*Mental and Moral Philosophy.*

Coolican, Ethel Mary.

*History and Political Science.*

Baxter, Sara Marguerite. | Nichols, Beryl.

*Legal and Political Science.*

Aggarwala, Dwarka Nath.

## SUPPLEMENTAL SENIOR MODERATOR.

*Modern Literature.*Deane, Elizabeth (*English and French*).

## SUPPLEMENTAL JUNIOR MODERATOR.

*Celtic Languages.*

Beaumont, Olive Marjory.

## RESPONDENTS.

<i>June.</i>	<i>December.</i>
Martin, Evelyn. Mulligan, William Graham.	M'Kee, Harry.

1919.

## SENIOR MODERATORS.

*Mathematics.*

†Synge, John Lighton.  
Beatty, John Edge.  
West, William George.

*Classics.*

†Whitfield, Vivian.  
Mack, William Henry Bradshaw.  
Irwin, Oliver Arthur Crawford.  
Davis, Harold Percy Whitton.  
Donaldson, John Coote.

*Mental and Moral Philosophy.*

†Robinson, Thomas Henry.  
MacLarnon, James Ernest.  
Bateman, John Victor.

*Experimental Science.*

†Synge, John Lighton.  
Gibson, Cyril Ernest.

*History and Political Science.*

†Purefoy, Thomas Amyrald Wray.  
Whitfield, Vivian.  
Irwin, Oliver Arthur Crawford.  
Mack, William Henry Bradshaw.

*Legal and Political Science.*

Giltrap, Rupert Henry.

*Modern Literature.*

Noble, Elizabeth (*French and German*).  
M'Kinney, Laura (*English and French*).  
Woodburn, Sara Mary (*French and German*).  
Wilson, Aileen Dorothy Mary (*French and German*).  
Osborne, Dorothy (*French and German*).  
Cole-Baker, Eileen Dorothy (*English and German*).

## SUPPLEMENTAL SENIOR MODERATORS.

*Natural Science.*

Lawlor, Alice Elizabeth.  
Stevenson, Margaretta Tate.

*Modern Literature.*

Young, Robert Lovell (*French and German*).

## JUNIOR MODERATORS.

*Mental and Moral Philosophy.*

Burnside, Evelyn Margaret  
Georgina Evans.  
Barclay, George Harold.

*History and Political Science.*

MacDermott, Edward Joseph.  
Clotworthy, Anna Maria.

*Modern Literature.*

Fullerton, Aileen Norah (*English and French*).

*Natural Science.*

Baillie, Emily Elspeth Grace.

## RESPONDENTS.

*January.*

[None.]

*June.*

McCaughy, James.  
Stevens, William Pearson.

*April.*

Warren, William John.  
Caldwell, Maria Margaret.

*December.*

Glynn, Patrick.  
Horan, John Beattie.

† Large Gold Medal

## HONORARY DEGREES.

*Doctors in Divinity.*

- 1920 Æ. Chase, Right Rev. Frederick Henry.  
 1920 Æ. Paterson, Very Rev. William Paterson.

*Doctors in Laws.*

- 1914 Æ. Baxter, James Sinclair.  
 1920 Æ. Bryce, Right Hon. James, Viscount of Dechmont.  
 1920 Æ. Bulfin, Lieut.-Gen. Sir Edward Stanislaus, K.C.B.  
 1919 V. Burtchaell, Charles Henry, C.B., C.M.G.  
 1919 Æ. French, His Excellency Field Marshall John Denton  
 Pinkstone, Viscount of Ypres, Lord Lieutenant of Ireland.  
 1918 H. Goligher, Hugh Garvin, C.B.E.  
 1920 Æ. Gray, Brigadier-Gen. Frederick William Barton, C.M.G.  
 1919 Æ. Jellicoe, Brigadier-General Richard Carey.  
 1920 Æ. Macalister, Sir Donald, K.C.B.  
 1915 Æ. May, Hon. Francis Henry, K.C.M.G.  
 1914 Æ. Nunan, Hon. Joseph John.  
 1914 Æ. Palles, Rt. Hon. Christopher, Lord Chief Baron.  
 1914 Æ. Prenter, Rev. Samuel.  
 1914 Æ. Ross, Rt. Hon. John.  
 1919 Æ. Wilson, Sir Henry Hughes, G.C.B.

*Doctors in Medicine.*

- 1920 Æ. Garrod, Sir Archibald Edward, K.C.M.G.  
 1919 Æ. Gerrard, Major-General John Joseph, C.B.  
 1919 Æ. Irwin, Major-General Sir James Murray, K.M.G.  
 1919 Æ. Russell, Major-General John Joshua, C.B.  
 1919 Æ. Swan, Major-General William Travers, C.B.  
 1919 Æ. Thompson, Major-General Sir Harry Neville, K.M.G.

*Doctors in Science.*

- 1919 Æ. Bower, Frederick Orpen.  
 1920 Æ. Bragg, Sir William Henry, K.C.B.  
 1919 Æ. Macassey, Sir Lyndon Livingstone, K.B.E.  
 1917 Æ. McClelland, John Alexander.  
 1913 Æ. Seward, Albert Charles.  
 1913 Æ. Strutt, Hon. Robert John.  
 1914 Æ. Werner, Emil Alphonse.

*Doctors in Literature.*

- 1913 Æ. Bagwell, Richard.  
 1913 Æ. Clark, Albert Curtis.  
 1920 Æ. Crooke, William, C.I.E.  
 1913 Æ. Farrell, Louis Richard.  
 1914 Æ. Rogers, Robert William.  
 1918 Æ. Smith, Vincent Arthur.  
 1914 Æ. Waldstein, Sir Charles.  
 1913 Æ. Wiedemann, Charles Alfred.



HONORARY DEGREES—*continued.**Doctor in Music.*

- 1917 Æ. Fellowes, Edmund Horatio.

*Master in Arts.*

- 1918 Æ. Gwynn, Lucy Penelope.

*Master in Surgery.*

- 1913 Æ. Woods, Sir Robert Henry, Knt.

*Master in Engineering.*

- 1914 Æ. Griffith, Sir John Purser, Knt.

## DOCTORS IN SCIENCE.

- 1914 Atkins, William Ringrose Gelston.  
 1919 Bower, Frederick Orpen (*h. c.*).  
 1920 Bragg, Sir William Henry (*h. c.*)  
 1916 Caldwell, William.  
 1919 Fearon, William Robert (*s. c.*).  
 1913 Hudson, Hilda Phoebe.  
 1919 Kemp, Stanley Wells.  
 1919 Macassey, Sir Lyndon Livingstone (*h. c.*).  
 1917 M'Clelland, John Alexander (*h. c.*).  
 1919 M'Mahon, James (*s. c.*).  
 1918 Poole, Horace Hewitt (*s. c.*).  
 1913 Seward, Albert Charles (*h. c.*).  
 1913 Strutt, Hon. Robert John (*h. c.*).  
 1914 Werner, Emil Alphonse (*h. c.*).

## BACHELORS IN SCIENCE.

- 1917 Azam, Syed Mahomed.  
 1920 Carpenter, George Kingsford (*s. c.*).  
 1914 Coade, May Emily.  
 1916 Fearon, William Robert.  
 1918 Holtby, John Robert Dunn (*s. c.*).  
 1917 Mason, Thomas Godfrey (*s. c.*).  
 1917 Morphy, Henry.  
 1915 Robinson, Archibald Louis.  
 1914 Shipsey, Kathleen Agatha.  
 1914 Smyth, Louis Bouvier.  
 1916 Wilson, Edith Gertrude.

## DOCTORS IN LITERATURE.

- 1913 Bagwell, Richard (*h. c.*).  
1913 Clark, Albert Curtis (*h. c.*).  
1920 Crooke, William (*h. c.*).  
1913 Farrell, Louis Richard (*h. c.*).  
1919 Kennedy, William Waugh M'Clure.  
1919 Khan, Shafaat Ahmed.  
1913 Lawlor, Rev. Hugh Jackson.  
1915 O'Connell, Frederick William (*s.c.*).  
1919 Phillpotts, Bertha Surtees.  
1913 Richter, Gisela Marie Augusta.  
1914 Rogers, Robert William (*h. c.*).  
1918 Smith, Vincent Arthur (*h. c.*).  
1914 Smyly, Josiah Gilbert.  
1913 Trench, Wilbraham Fitzjohn.  
1914 Waldstein, Sir Charles (*h. c.*).  
1917 Waterhouse, Gilbert (*s.c.*).  
1913 Wiedemann, Charles Alfred (*h. c.*).

## DIVINITY TESTIMONIUMS.

The following list, taken in conjunction with the list in the Special Supplemental Volume for 1912-3, is intended to contain the names of all those who qualified for Testimoniums in the School of Divinity from the year 1840. Those who were placed in the First or Second Class at the Final Divinity Examination are indicated by (1) or (2) after the name. Those who obtained Theological Exhibitions are indicated by Roman numerals after the name, the relative position of the premium being shown by the numeral.

- |   |  |
|---|--|
| 1915 Acheson, Archibald Howard<br>M'Causland (2). | 1915 Devlin, Thomas Stafford.                    |
| 1920 Beattie, Joseph Kildare (1).                 | 1920 Dobbin, William Hume.                       |
| 1913 Beaumont, Henry Foxton (1).                  | 1913 Eaton, Hugh Bouchier.                       |
| 1914 Beckerson, William Townley<br>(i) (1).       | 1916 Edwards, James (2).                         |
| 1919 Belton, James Joseph.                        | 1916 Egar, Robert Henry (2).                     |
| 1916 Beresford-Poer, Raymond (2).                 | 1919 Egerton, Henry Francis<br>Osborne.          |
| 1918 Bloomer, Thomas (2).                         | 1913 Elliott, Gerald William.                    |
| 1914 Boyle, John.                                 | 1914 Elliott, Robert Cyril Hamil-<br>ton Glover. |
| 1918 Bradley, Thomas.                             | 1914 Ewart, William Dawson.                      |
| 1913 Bradshaw, John Balfour.                      | 1917 Fair, Henry (2).                            |
| 1914 Branagh, James (1).                          | 1915 Fairbrother, George Berford<br>(2).         |
| 1916 Brasier, Oswald Henry.                       | 1913 Ferguson, Richard.                          |
| 1916 Brownell, Edward (1).                        | 1915 Fisher, Oswald Garrow (2).                  |
| 1917 Bryan, Robert Harris.                        | 1915 Fleming, Robert (1).                        |
| 1919 Butler, James Joseph (2).                    | 1913 Foley, William Arthur<br>Ernest.            |
| 1913 Caffry, Charles Robert.                      | 1919 Forbes, Alfred (1).                         |
| 1915 Campion, John Robert.                        | 1914 Forde, Harold Giles.                        |
| 1915 Carroll, Charles Frederick<br>Hezlet (2).    | 1920 Foster, Henry Robert<br>Victor.             |
| 1914 Chadwick, Samuel.                            | 1916 Furniss, George.                            |
| 1913 Chamberlain, Arthur Percival.                | 1918 Garstin, Norman Eliot.                      |
| 1920 Chestnutt-Chesney,<br>Frederick.             | 1914 Good, Walter (2).                           |
| 1914 Clark, Cecil Dawson.                         | 1915 Gransden, William James<br>(2).             |
| 1917 Cockrill, John.                              | 1913 Greening, Ernest William<br>(1).            |
| 1913 Colvin, Henry Archibald.                     | 1913 Haddock, Josiah.                            |
| 1917 Cooke, Henry William.                        | 1920 Hall, William (2).                          |
| 1915 Cosgrave, Percival Reginald<br>(2).          | 1916 Hamilton, George (2).                       |
| 1913 Cotter, John Beresford (1).                  | 1915 Hannon, Arthur Gordon (1).                  |
| 1913 Coulter, Francis Clements.                   | 1920 Harbord, Ralph Cecil Victor.                |
| 1920 Coulter, William Henry (1).                  | 1915 Hardy, Alexander Ogilvy<br>(2).             |
| 1919 Cox, John Francis.                           | 1913 Harvey, William Nesbitt<br>Wilson (ii) (1). |
| 1913 Craig, James Robert Hanna.                   | 1916 Hazlett, Samuel Francis.                    |
| 1914 Culverwell, Oliver Gerald.                   | 1920 Henchy, Dudley North.                       |
| 1914 Darling, Vivian William (1).                 | 1914 Hewitson, Arthur Edward<br>Millet.          |
| 1917 Daunt, Hugh Maurice (2).                     |  |
| 1914 Deane, Richard Albert (2).                   |  |
| 1919 de Massy, William Hamo<br>Ingolsby.          |  |
| 1916 de Pauley, William Cecil.                    |  |

DIVINITY TESTIMONIUMS—*continued.*

- |                                   |                                    |
|-----------------------------------|------------------------------------|
| 1920 Hill, Frederick Charles (2). | 1916 Parr, Thomas.                 |
| 1913 Hipwell, Richard Senior (1). | 1918 Parr, William John (2).       |
| 1914 Hodgins, John James (2).     | 1913 Pearson, William Thomas       |
| 1917 Horan, Benjamin William (1). | Hingston.                          |
| 1916 Ireland, Arthur Joseph       | 1913 Plant, Leslie Horrocks.       |
| Twamley.                          | 1915 Pollard, John Alexander       |
| 1917 Ireland, Geoffrey Vincent    | (2).                               |
| Stanley.                          | 1913 Porter, John.                 |
| 1915 Johnston, George Cooper (2). | 1914 Rea, Vivian Trevor Tighe.     |
| 1920 Johnston, Gilbert Stanley    | 1913 Reilly, John Curtis (2).      |
| Samuel (2).                       | 1913 Rennison, William.            |
| 1914 Jones, William Armstrong.    | 1917 Roberts, Norman Lee (2).      |
| 1915 Kelly, David (2).            | 1915 Robinson, John Thomas (2).    |
| 1913 Kennedy, Francis George      | 1915 Rose, Thomas Percival.        |
| Mulholland.                       | 1915 Russell, William Alex-        |
| 1919 Kennedy, Henry Angus         | ander.                             |
| Victor.                           | 1916 Scanlon, Thomas Henry.        |
| 1913 Kennedy, Henry Brew.         | 1919 Scott, Robert Francis.        |
| 1916 Kee, Robert.                 | 1914 Shaw, James Hunter.           |
| 1917 Kenny, William Edward (2).   | 1917 Shortt, John Purser (2).      |
| 1919 Kingston, George.            | 1915 Simpson, Bernard William      |
| 1913 Kyrke, Vernon.               | (1).                               |
| 1919 Ledwich, Edward Leyland (1). | 1918 Sinnamon, Frederick Joseph    |
| 1913 Levis, John.                 | (1).                               |
| 1915 Loughheed, James John.       | 1920 Smith, Vivian Fielding (2).   |
| 1913 Lyndon, Charles Henry        | 1918 Smyth, Charles John.          |
| Preston (2).                      | 1915 Smyth, Richard Bertram.       |
| 1917 M'Clure, James Joseph (2).   | 1914 Spence, Alexander.            |
| 1914 M'Clure, Thomas James.       | 1914 Stevenson, George Claude      |
| 1918 McCombe, Isaac Hill (2).     | Percival (1).                      |
| 1915 Mack, Gwynn Seton Brad-      | 1916 Stone, Ralph.                 |
| shaw.                             | 1914 Sutcliffe, Vernon George (2). |
| 1913 M'Kinley, George (2).        | 1915 Tamplin, Francis William      |
| 1913 Manning, Samuel Dallas.      | St. John.                          |
| 1913 Matchette, William (1).      | 1914 Thompson, Robert Henry.       |
| 1916 Matthews, Edwin James (2).   | 1915 Vaughan, Hugh Edward.         |
| 1914 Millington, George Wilfred   | 1914 Wallace, William.             |
| O'Callaghan.                      | 1913 Waring, John.                 |
| 1919 Mills, Edgar Parker.         | 1914 Watson, Robert.               |
| 1914 Morrison, Robert Cecil (2).  | 1914 Waugh, Richard Mortlock       |
| 1915 Murray, George Walton.       | Lloyd.                             |
| 1915 Nelson, Francis West.        | 1914 Weir, Robert Edward (2).      |
| 1917 Nelson, John Christian.      | 1914 West, James Richard.          |
| 1918 Odlum, Gerald Edward.        | 1913 West, Reginald Francis.       |
| 1915 O'Loughlin, Bryan.           | 1918 White, Douglas Stuart         |
| 1919 Ormsby, Philip Robert.       | Hamilton.                          |
| 1913 Orr, Adrian William Fielder. | 1915 Willis, Henry Percy.          |
| 1916 Osborne, Henry John (1).     | 1918 Willis, Joshua Samuel.        |
| 1916 Oswald, Henry Usher (1)      | 1914 Wilson, Geoffrey Moffatt.     |
| 1913 Oulton, John Ernest          | 1919 Wilson, William Twamley.      |
| Leonard (1).                      | 1913 Young, William Charles.       |



## DEGREES IN DIVINITY.

## BACHELORS IN DIVINITY.

(This List, taken in conjunction with that published in the Special Supplemental Volume for 1912-3, contains the names of those who obtained this Degree under the conditions laid down by the Senate in 1876.)

1920 Armstrong, Claude Blakeley.	1913 Norton, Edward Moore.
1914 Alcock, James Henry.	1919 Oulton, John Ernest Leonard.
1920 Baylis, Harry James.	1917 Sadler, Wilson Dawson.
1916 Beckerson, William Townley.	1914 Scott, Melville ( <i>ad eund. Cantab.</i> ).
1913 Campling, Percival.	1913 Shaw, Christopher George.
1913 Chamberlain, George Ashton.	1919 Simpson, Bernard William.
1913 Cole, Richard Lee.	1914 Sirr, William James.
1919 Courtenay, John Eales.	1920 Spurgeon, Thomas Harold.
1919 De Pauley, William Cecil.	1916 Stevenson, George Claude Percival.
1919 Gumley, Edmund Maurice.	1917 Stewart, Walter William.
1915 Harvey, William Nesbitt Wilson.	1915 Stuart, Alfred Ernest Leigh.
1918 Henderson, Alice Maud.	1919 Thompson, Sidney Lyle.
1918 Hind, John ( <i>j. d., s. c.</i> ).	1919 Thornley, Joseph.
1919 Hingston, James Henry.	1914 Tilson, Robert Robinson.
1916 Hipwell, Richard Senior.	1915 Tollinton, Richard Bartram ( <i>ad eund. Oxon.</i> ).
1915 Hobson, John ( <i>s. c.</i> ).	1920 Warren, Frederick William Wensley.
1919 Horan, Benjamin William ( <i>s. c.</i> ).	1913 Whitaker, Charles.
1918 Hunter, Joseph Alexander.	1915 Williams, Marrable.
1917 Madden, John Howard.	1914 Woodhouse, Hugh Parker.
1915 Martin, Thomas Hutchinson.	
1919 Miller, Robert ( <i>j. d.</i> ).	
1916 Mitchell, Percy James.	
1914 Nixon, George Robinson.	

## DOCTORS IN DIVINITY.

(This List, taken in conjunction with that in the Special Supplemental Volume for 1912-3, contains the names of those who obtained this Degree since January, 1832.)

1920 Chase, Frederick Henry ( <i>h. c.</i> ).	1915 Pakenham-Walsh, Herbert ( <i>j. d.</i> ).
1913 Cooper-Marsdin, Arthur Cooper.	1920 Paterson, William Paterson ( <i>h. c.</i> ).
1913 Gregg, John Allen FitzGerald ( <i>s. c.</i> ).	1916 Peacocke, Joseph Irvine ( <i>j. d.</i> ).
1919 Grierson, Charles Thornton Primrose ( <i>j. d.</i> ).	1915 Reid, William Douglass.
1918 Hind, John ( <i>j. d.</i> ).	1915 Roberts, William Ralph Westropp ( <i>s. c.</i> ).
1914 Jourdan, George Viviliers.	1920 Ross, Arthur Edwin ( <i>j. d.</i> ).
1920 Luce, Arthur Aston ( <i>s. c.</i> ).	1914 Scott, Melville.
1917 McNeile, Alan Hugh ( <i>s. c.</i> ).	1915 Tollinton, Richard Bartram.
1919 Miller, Robert ( <i>j. d.</i> ).	
1916 Moore, William Richard ( <i>j. d.</i> ).	

## DEGREES IN LAW.

## DOCTORS IN LAWS.

(This List, taken in conjunction with that in the Special Supplemental Volume for 1912-3, contains the names of those who obtained this Degree since January, 1832.)

- |  |   |
|--|---|
| 1919 Aldwell, Rev. Frederick Basil.  | 1919 Jellicoe, Brigadier-General Richard Carey ( <i>h. c.</i> ).      |
| 1915 Allen, Rev. John.   | 1920 Jones, Hume Riversdale.  |
| 1917 Assinder, George Frederick.   | 1914 Lee, Joseph Bagnall.   |
| 1914 Baxter, James Sinclair ( <i>h. c.</i> ).  | 1914 Lucas, Ernest Charles.   |
| 1914 Bellamy, Robert Lowe.   | 1920 Macalister, Sir Donald ( <i>h. c.</i> ).                         |
| 1914 Bond, Edward Leachman.  | 1917 McTighe, Robert.   |
| 1920 Borland, Robert.  | 1914 Mahli, Sna Ullah.  |
| 1913 Bright, William.  | 1913 Mahon, Joseph Shaw.  |
| 1919 Browne, Percival Hugh.  | 1915 Marshall, Rev. Edwin Ernest.                                     |
| 1920 Bryce, Rt. Hon. James, Viscount of Dechmont ( <i>h. c.</i> ).   | 1915 May, Hon. Francis Henry ( <i>h. c.</i> ).                        |
| 1920 Bulfin, Lieut.-Gen. Sir Edward Stanislaus ( <i>h. c.</i> ).   | 1917 Meeredy, James MacGillicuddy.                                    |
| 1919 Burtchaell, Charles Henry ( <i>h. c.</i> ).   | 1917 Misra, Jaikaran Nath.  |
| 1920 Chandhuri, Asvini Kumar.  | 1919 Moran, Frances Elizabeth.  |
| 1918 Dowdall, Thomas John Anthony.   | 1914 Nunan, Hon. Joseph John ( <i>h. c.</i> ).                        |
| 1913 English, John Charles.  | 1913 O'Dea, Henry.  |
| 1919 Facey, Nicholas Saunders.   | 1914 Palles, Rt. Hon. Christopher, Lord Chief Baron ( <i>h. c.</i> ). |
| 1913 Freeman, William Ludford.   | 1913 Prenter, Neilson Hancock.  |
| 1919 French, His Excellency Field-Marshal John Denton Pinkstone, Viscount of Ypres, Lord Lieutenant of Ireland ( <i>h. c.</i> ). | 1914 Prenter, Rev. Samuel ( <i>h. c.</i> ).                           |
| 1920 Gadikhuk, Mohammed Alam.  | 1918 Quekett, Arthur Scott.   |
| 1914 Ghani, Seyd Abdul.  | 1914 Ross, Rt. Hon. John ( <i>h. c.</i> ).                            |
| 1918 Goligher, Hugh Garvin ( <i>h. c.</i> ).   | 1920 Scofield, Ernest Frank.  |
| 1920 Gray, Brigadier-General Frederick William Barton ( <i>h. c.</i> ).  | 1914 Simpson, Charles Entwistle.                                      |
| 1917 Irwin, William Mathews.   | 1913 Stafford, John Hugh.   |
|  | 1918 Subbarayan, Paramasiva.  |
|  | 1919 Wali-ullah, Mohamed.   |
|  | 1919 Wilson, Sir Henry Hughes ( <i>h. c.</i> ).                       |

## BACHELORS IN LAWS.

(This List, taken in conjunction with that in the Special Supplemental Volume for 1912-3, gives the names of those who have taken this Degree since January, 1895.)

- |                                |                                  |
|--------------------------------|----------------------------------|
| 1914 Adams, Margaret Hilda.    | 1917 Assinder, George Frederick. |
| 1918 Aggarwala, Dwarka Nath.   | 1918 Behl, Bhawani Das.          |
| 1918 Aldwell, Frederick Basil. | 1918 Borland, Robert.            |
| 1915 Allen, Rev. John.         | 1913 Bright, William.            |

BACHELORS IN LAWS—*continued.*

- 1918 Broadhead, James Arthur.  
 1913 Callaghan, Arthur Nickson.  
 1920 Chandhuri, Asvini Kumar  
     (*ad eund. Cantab.*).  
 1918 Coolican, Ethel Mary.  
 1916 Couser, Isobel Irene.  
 1914 Dagg, Thomas Sidney  
     Charles.  
 1914 Delamer, Gerald Fitz  
     Herbert.  
 1915 Deverell, Averell Katherine  
     Slatter.  
 1915 Duncan, Ida May Coffin.  
 1919 Facey, Nicholas Saunders  
     (*ad eund. Cantab.*).  
 1913 Freeman, William Ludford.  
 1913 Gadihuk, Mohammed Alam.  
 1914 Ghani, Seyd Abdul.  
 1919 Gillespie, John.  
 1915 Glenn, Cecil William.  
 1920 Grant, Charles William.  
 1913 Hall, Frederick Harrison.  
 1915 Hamill, John Bernard.  
 1916 Hanlon, George.  
 1917 Henry, Constance Winifred  
     Mary.  
 1919 Holliday, Edith.  
 1914 Huggett, Reginald Norman.  
 1913 Hume, Walter Oakman.  
 1916 Irwin, William Mathews.  
 1919 Kalé, Vithal Dhondo.  
 1913 Kapur, Kundan Lal.  
 1913 Keeley, James Robert.  
 1913 Kelly, Bryan Albert.  
 1914 Kelly, Denis Bernard.  
 1916 Kennedy, Geoffrey Laun-  
     celot.  
 1918 Kerr, George William.  
 1914 Kyle, Kathleen Theodora.  
 1916 Kyle, Frances Christian.  
 1920 Leader, Leonard Leader.  
 1914 Lillis, Martin Arthur.  
 1916 Logan, Lily.  
 1914 Lucas, Ernest Charles (*ad*  
     *eund. Cantab.*).  
 1917 McCormick, Elizabeth Ivy.  
 1913 M'Cullagh, Sarah Elizabeth.
- 1919 McKee, Harry.  
 1914 M'Tighe, Robert.  
 1915 Maginess, Henry Augustus.  
 1913 Mahon, Joseph Shaw.  
 1915 Marshall, Rev. Edwin  
     Ernest (*ad eund. Oxon.*).  
 1914 Meagher, James Francis.  
 1914 Mecredy, James.  
 1913 Michell, Mary Clara.  
 1919 Mills, John Victor Stratton.  
 1917 Misra, Jaikaran Nath.  
 1918 Moran, Frances Elizabeth.  
 1913 Moriarty, Cecil Charles  
     Hudson.  
 1914 Murray, Menzies.  
 1919 Nichols, Beryl.  
 1914 Noyk, Michael.  
 1913 Prenter, Neilson Hancock.  
 1919 Purefoy, Thomas Amyrald  
     Wray.  
 1914 Quinlan, Patrick Francis.  
 1918 Rawlins, Winifred Alice.  
 1914 Roche, Stephen Anselm.  
 1913 Roundtree, Isaac.  
 1917 Sankara Narayana, Brah-  
     madesam Cidamb.  
 1919 Scofield, Ernest Frank.  
 1914 Simpson, Charles Entwistle.  
 1913 Sinkinson, James Hanson.  
 1920 Smith, Leta Eileen.  
 1916 Smyth, Thomas Alexander.  
 1913 Stafford, John Hugh (*ad*  
     *eund. Cantab.*).  
 1918 Subbarayan, Paramasiva  
     (*ad eund. Oxon.*).  
 1914 Tyson, John George.  
 1916 Villiers, Norah Hermione  
     Ethel.  
 1910 Wali-ullah, Mohamed  
     (*ad eund. Oxon.*).  
 1914 Wallace, Thomas Herbert.  
 1920 Ward, John Frederick  
 1915 White, John Malvern.  
 1914 Williams, Gerald Leopold.  
 1914 Williamson, Robert Cecil.  
 1918 Wright, Warren Samuel  
     Leonard.

## DEGREES, LICENSES, AND DIPLOMAS IN MEDICINE AND SURGERY.

(These Lists, taken along with those in the Special Supplemental Volume for 1912-3, give the names of those who have obtained Degrees, Licenses, and Diplomas since 1800.)

### DIPLOMATES IN PUBLIC HEALTH.

- |  |   |
|--|---|
| 1920 Alley, George Oliver Fair-<br>lough.  | 1920 M'Carthy, Charles Joseph.            |
| 1919 Beckett, Gerald Gordon Paul.          | 1914 McClintock, Hugh Thomas<br>Shaw.     |
| 1918 Beckett, James.                       | 1920 M'Kinney, James Wilfred.             |
| 1918 Bigger, Joseph Warwick.               | 1919 M'Knight, Matthew.                   |
| 1918 Bowie, Edgar Ormond.                  | 1919 Marshall, Gilbert.                   |
| 1920 Boyle, Cornelius Charles.             | 1917 Mellon, Bagenal Harvey.              |
| 1916 Chapman, Marjorie.                    | 1919 Moore, Charles Ernest.               |
| 1916 Colquhoun, Florence.                  | 1919 Mulholland, Henry Cunn-<br>ingham.   |
| 1920 Comerford, Charles Henry.             | 1915 Murphy, Edward Harnett<br>Patrick.   |
| 1919 Condry, Robert.                       | 1914 O'Connor, Edward.                    |
| 1918 Cosgrave, Alexander Kirk-<br>patrick. | 1916 Palmer, George Edward.               |
| 1915 Crane, Walter.                        | 1920 Pengelley, Charles Edward.           |
| 1914 Culverwell, George Hugh.              | 1920 Power, Thomas Declan.                |
| 1915 Dastur, Ratan Edulji.                 | 1920 Price, Alfred Henry.                 |
| 1920 Dormer, Percival Atkin.               | 1914 Richardson, Albert Victor<br>John.   |
| 1920 Gaha, John Francis.                   | 1919 Robinson, Cecil William<br>Clements. |
| 1920 Gordon, Rupert Montgomery.            | 1913 Roche, James Dillon<br>Knight.       |
| 1920 Graham, Matthew Joseph.               | 1920 Rock, Patrick.                       |
| 1920 Harkness, George Francis<br>Innes.    | 1919 Scharff, John William.               |
| 1916 Haskins, Nicholas Hopkins<br>Henry.   | 1913 Stanley, Herbert Vernon.             |
| 1916 Holtby, John Robert Dunn.             | 1920 Sturdee, Edwin Lawrance.             |
| 1917 Jackson, Robert Best.                 | 1919 Sugars, Harold Sanderson.            |
| 1920 Jewell, Norman Parsons.               | 1920 Sutcliffe, William Henry.            |
| 1918 Kane, Robert Arthur.                  | 1919 Syngé, Victor Millington.            |
| 1914 Kapur, Kanbaya Lal.                   | 1920 Tottenham, Richard<br>Edward.        |
| 1920 Kelly, Carlile.                       | 1920 Walker, William Benjamin.            |
| 1917 Kirkwood, Thomas.                     | 1919 Wright, Robert Ernest.               |
| 1913 Lee, Reginald Henry.                  |   |
| 1919 Lyons, Beattie.                       |   |
| 1920 Lyons, James.                         |   |
| 1914 Lyons, Robert Henry<br>Cummins.       |   |



## DIPLOMATE IN GYNÆCOLOGY AND OBSTETRICS.

1919 Chambers, Roy William.

## DOCTORS IN MEDICINE.

- |  |   |
|--|---|
| 1913 Adam, Walter Eustace.                     | 1920 Furlong, Sydney Joseph Verner.                         |
| 1918 Albertijn, Andries Adrian Louw.           | 1920 Garrod, Sir Archibald Edward ( <i>h.c.</i> ).          |
| 1913 Askins, Robert Arthur.                    | 1913 Garstin, Edward James Hamilton.                        |
| 1918 Atkins, Robert Ringrose Gelston.          | 1919 Gerrard, Major-General John Joseph ( <i>h.c.</i> ).    |
| 1913 Attridge, Richard John.                   | 1918 Gillespie, Frank Sheppard.                             |
| 1915 Baronsfeather, Charles Gilbert Stenhouse. | 1920 Gordon, Rupert Montgomery.                             |
| 1918 Bateman, Godfrey.                         | 1913 Graham, George Frederick.                              |
| 1920 Beatty, Frederick George.                 | 1919 Gray, John.  |
| 1918 Bigger, Joseph Warwick.                   | 1919 Gregg, Arthur Leslie.                                  |
| 1920 Bird, Jason Grant.                        | 1918 Grimby, Alan Francis.                                  |
| 1914 Blackley, Humphrey Louis.                 | 1913 Grove-White, James Herbert.                            |
| 1917 Boyd, William Stanley.                    | 1919 Hall, Philip Augustus.                                 |
| 1919 Brady, Cecil Francis Clarke.              | 1919 Hamilton, William Joseph.                              |
| 1919 Chapman, Robert William.                  | 1919 Harpur, Henry Percy.                                   |
| 1920 Chapman, Thomas Paul.                     | 1918 Harvey, Joseph.  |
| 1919 Colgan, John.                             | 1913 Haughton, Samuel George Steele.                        |
| 1920 Collins, Herbert Stratford.               | 1916 Hewitt, Eileen Mand.                                   |
| 1919 Comerford, Charles Henry.                 | 1915 Hopkins, William Edward.                               |
| 1919 Cope, Joseph Victor.                      | 1920 Hughes, Thomas Arthur.                                 |
| 1918 Corkey, Isaac Whitla.                     | 1914 Hunt, Langford Villiers.                               |
| 1914 Crane, Walter.                            | 1919 Irwin, Major-General Sir James Murray ( <i>h.c.</i> ). |
| 1920 Crawford, Herbert de Lisle.               | 1920 Jackson, Meta Grace.                                   |
| 1914 Crawford, Mabel Alice.                    | 1914 Johnson, Edward Sandwith.                              |
| 1915 Crichton, Brian Dodwell.                  | 1915 Johnson, Reginald.                                     |
| 1920 Crichton, Eric Cuthbert.                  | 1913 Kelly, James Cecil.                                    |
| 1914 Culverwell, George Hugh.                  | 1913 Lane, Samuel Armstrong.                                |
| 1918 Daniel, Herbert McWilliams.               | 1915 Lavy, Ernest Edward.                                   |
| 1917 Darling, Georgina Revington.              | 1919 Luce, Ethel Marjorie.                                  |
| 1920 Davidson, Andrew Hope.                    | 1920 Lyons, Robert Henry Cummins.                           |
| 1913 Davis, Frederick Abraham Grubb.           | 1920 M'Crea, Edward D'Arcy.                                 |
| 1920 Dormer, Percival Atkin.                   | 1917 M'Cullagh, John Thomas.                                |
| 1914 Draper, Arthur Philip.                    | 1919 M'Donogh, Charles Lewers.                              |
| 1914 Drury, Kenneth Kirkpatrick.               | 1920 M'Keag, Philip Wolfe.                                  |
| 1918 Duff, David.                              | 1917 M'Walter, James Charles.                               |
| 1919 Elford, William Philp.                    | 1919 Marks, Edward Oswald.                                  |
| 1920 English, Joseph Sandys.                   | 1913 Marrable, Harold Trevor.                               |
| 1915 Evans, William Francis.                   | 1913 Milne, Dorothy Kate.                                   |
| 1914 Ferguson, Hugh Reynolds McKay.            | 1920 Molloy, Hastings Harley.                               |
| 1919 Fisher, Evelyn.                           |   |

DOCTORS IN MEDICINE—*continued.*

- |   |  |
|---|--|
| 1918 Murphy, Grosvenor Fitzell<br>Leybourne.                | 1920 Sutcliffe, William Henry.                                     |
| 1917 Murphy, Patrick Kennedy.                               | 1919 Swan, Major-General<br>William Travers ( <i>h.c.</i> ).       |
| 1913 Nicholson, John Francis.                               | 1919 Synge, Victor Millington.                                     |
| 1913 Nolan, James Noel Greene.                              | 1919 Thompson, Major-General<br>Sir Harry Neville ( <i>h.c.</i> ). |
| 1914 O'Brien, Charles.                                      | 1913 Thompson, James Harloe<br>Christopher.                        |
| 1920 Ogilvie, James Carter.                                 | 1914 Tottenham, Richard Edward.                                    |
| 1919 Pile, Charles Devereux.                                | 1919 Varian, Amos George.  |
| 1920 Pim, Douglas Chetham.                                  | 1919 Varian, Hilda Maud.   |
| 1913 Ponton, John Alfred William.                           | 1913 Vaughan, Reginald Tate.                                       |
| 1916 Power, Thomas Declan.                                  | 1919 Vickery, Edward Percival<br>Hadden.                           |
| 1919 Price, Alfred Henry.                                   | 1919 Walker, William Benjamin.                                     |
| 1920 Quinlan, Bernard Gerald.                               | 1920 Waters, William Rickard<br>Lloyd.                             |
| 1918 Quinn, Joseph Archibald.                               | 1919 Watson, Arthur Hubert.  |
| 1920 Rice, Henry James.                                     | 1919 Watson, William Russell.                                      |
| 1919 Rock, Patrick.   | 1918 Wheeler, Robert de Courcy.                                    |
| 1919 Russell, Major-General John<br>Joshua ( <i>h.c.</i> ). | 1919 Wicht, William Frederick.                                     |
| 1920 Russell, Mortimer M'Gee.                               | 1914 Woodroffe, Henry Lewis<br>Warren.                             |
| 1913 Shaw, Arthur Frederick<br>Bernard.                     | 1919 Wright, Herbert James.  |
| 1914 Simpson, John Thomas.                                  | 1914 Wright, Robert Ernest.  |
| 1919 Smith, Frederick Joseph.                               | 1919 Young, Ernest William<br>Gilmore.                             |
| 1914 Smyth, Reginald Osborne.                               |  |
| 1919 Speares, John.   |  |
| 1919 Sullivan, Fleetwood William<br>Porter.                 |  |
| 1916 Sullivan, Roberts Ievers.                              |  |

## MASTERS IN SURGERY.

- 1915 Chance, Arthur.  
 1920 Corkey, Isaac Whitla.  
 1917 Crawford, Herbert de Lisle.  
 1913 Woods, Sir Robert Henry, Knt. (*h.c.*).

## MASTERS IN OBSTETRIC SCIENCE.

- 1917 Crawford, Mabel Alice Dobbin.  
 1913 Haughton, Samuel George Steele.

## BACHELORS IN MEDICINE, IN SURGERY, AND IN OBSTETRIC SCIENCE.

In the following list, the insertion of *none* of the letters (a), (b), (c) after a name signifies that the three degrees of M.B., B.Ch., and B.A.O. have been taken. The insertion of (a) signifies that the degree of M.B. has been taken, the insertion of (b) that the degree of B.Ch. has been taken, and the insertion of (c) that the degree of B.A.O. has been taken. Thus (a, b) signifies that the degrees of M.B. and B.Ch. have both been taken. The date given is that of the taking of the first in order of the degrees of M.B., B.Ch., and B.A.O.

- |  |                                  |
|--|----------------------------------|
| 1919 Abrahamson, Leonard.                | 1915 Boyce, Norman M'Connell.    |
| 1915 Acheson, Richard William.           | 1913 Boyd, William Stanley.      |
| 1915 Adderley, Clara Beatrice            | 1915 Boyers, Edwin.              |
| Marguerite.                              | 1913 Boyers, Hedley.             |
| 1916 Adderley, Esther Violet.            | 1915 Brady, Cecil Francis.       |
| 1919 Aidin, Abgar Read.                  | 1917 Brennan, Joseph Roland.     |
| 1916 Albertijn, Andries Adrian           | 1914 Bridge, George Allman.      |
| Louw.                                    | 1917 Brill, Hirsh.               |
| 1915 Albertijn, Christopher Charles.     | 1919 Brink, Cyril Daniel.        |
| 1918 Albertijn, Lindley.                 | 1920 Brown, Moira Mary.          |
| 1920 Allen, Eric Henry Cooke.            | 1914 Browne, Hawtrey William.    |
| 1914 Allen, Theodore Wright.             | 1914 Buchanan, George.           |
| 1915 Alley, George Oliver Fair-          | 1914 Buckley, Charles Dudley     |
| lough.                                   | Maybury.                         |
| 1919 Ambrose, Charles Goings.            | 1919 Burrige, Henry Alfred (a).  |
| 1914 Anderson, Robert Alexander.         | 1914 Butt, John Gillis.          |
| 1914 Armstrong, James Noble.             | 1919 Byrn, William Andrew.       |
| 1914 Atkins, Robert Ringrose             | 1919 Callanan, John Charles      |
| Gelston.                                 | Joseph.                          |
| 1914 Atkinson-Fleming, Frederick         | 1917 Campion, Henry Stephen      |
| Charles.                                 | 1919 Casey, Patrick.             |
| 1920 Baile, Olive.                       | 1915 Cathcart, William Blacker.  |
| 1918 Banks, Harry ( <i>antea Lic.</i> ). | 1917 Chambers, Charles Perceval. |
| 1913 Bantry-White, Ernest.               | 1914 Chapman, Robert William.    |
| 1917 Barlas, Alexander Richard.          | 1916 Chapman, Thomas Paul.       |
| 1913 Bateman, Edgar Noel ( <i>antea</i>  | 1917 Clark, Sidney Alfred.       |
| <i>Lic.</i> ).                           | 1920 Coetzee, Johannes           |
| 1915 Bateman, Arthur Cyril.              | Cornelius.                       |
| 1915 Bateman, Godfrey.                   | 1919 Cohen, Harris.              |
| 1919 Battersby, Francis John             | 1918 Collins, Herbert Stratford. |
| Gerard.                                  | 1913 Colquhoun, Jane Florence.   |
| 1913 Beatty, Frederick George.           | 1916 Comerford, Charles Henry.   |
| 1920 Beatty, Thomas Edward               | 1919 Coolican, John Henry.       |
| Bellingham ( <i>antea Lic.</i> ).        | 1915 Cope, Joseph Victor.        |
| 1916 Bevis, Clotilda Bayne.              | 1915 Corkey, Isaac Whitla.       |
| 1916 Bigger, Joseph Warwick.             | 1919 Counihan, Richard.          |
| 1918 Bird, Jason Grant.                  | 1915 Craig, Eric William.        |
| 1916 Bird, Joseph Godfrey.               | 1917 Cullen, James Arthur        |
| 1917 Blackham, Olive Gertrude.           | William.                         |
| 1920 Blagoff, Athanas.                   | 1913 Culverwell, George Hugh.    |
| 1916 Blumberg, Louis.                    | 1920 Cummins, Janie Millar.      |

- 1915 Daniel, Herbert  
     M'Williams.  
 1917 Davidson, Andrew Hope.  
 1920 Davis, George Hall.  
 1916 Deale, Violet Mabel.  
 1919 de Kock, Jan Jacobus  
     Gabriel.  
 1918 Devereux, Robert Meade  
     Daly.  
 1920 de Villiers, Johannes  
     Philippus.  
 1920 de Wet, Johannes Marthinus  
     Benjamin.  
 1917 Dippenaar, Michiel  
     Christoffel.  
 1913 Dixon, Henry Bryan Frost.  
 1913 Dobbin, Mabel Alice.  
 1914 Dockrill, John Stuart.  
 1916 Doran, George William.  
 1918 Dormer, Percival Atkin.  
 1914 Dougan, Frederick Robert.  
 1915 Dowling, William James.  
 1920 Dowse, Eileen Hilda.  
 1914 Dowse, John Cecil  
     Alexander.  
 1913 Duckworth, Henry Launcelot  
     D'Olier.  
 1919 Dymoke, Frederick John.  
 1918 Elford, William Philp.  
 1913 Elliott, Robert Andrew  
     George.  
 1914 Elliott, William Herron.  
 1914 English, Joseph Sandys (*antea*  
     *Lic.*).  
 1913 Evans, William Francis.  
 1920 Exner, Herbert Victor  
     Ferdinand Franz.  
 1920 Feldman, Salman Louis.  
 1915 Fishe, Edward Gordon.  
 1915 Fisher, Arthur George.  
 1915 Fisher, Sydney Walter.  
 1913 Fleming, Geoffrey Montague  
     Mason.  
 1914 Flood, Frederick George.  
 1914 Foot, William.  
 1914 Ford, Herbert Roycroft.  
 1918 Fouché, Johannes Cornelis.  
 1920 Fox, William Burton.  
 1920 Frazer, Edward Haslett.  
 1916 Furlong, Sydney Joseph  
     Verner.  
 1916 Garde-Browne, William.  
 1913 Gibson, William Frederick.  
 1919 Gilbert, Jessie Ogg.  
 1918 Gill, Frederick.  
 1914 Gillespie, Francis Sheppard.  
 1919 Godbey, Frederick  
     William.  
 1913 Goodenough, Charles  
     Douglas.  
 1916 Gordon, Rupert Mont-  
     gomery.  
 1919 Gordon, Thomas Donald.  
 1914 Goulding, Hamilton Barrett.  
 1920 Graham, Doris Louisa.  
 1915 Graham, Roland Harris.  
 1918 Greer, Kenneth MacGregor.  
 1918 Gregg, Arthur Leslie.  
 1916 Grimbly, Alan Francis.  
 1916 Gwynn, Eileen Gertrude.  
 1913 Hadden, David Hamilton.  
 1914 Hadden, George Brownrigg.  
 1916 Hadden, Marie Annette.  
 1915 Hall, David Henry.  
 1916 Hall, Philip Augustus.  
 1913 Halpin, Richard Stopford  
     Gilbert.  
 1917 Hamilton, William Joseph.  
 1916 Hamilton-Johnstone,  
     Millicent.  
 1914 Harris, Frederick.  
 1913 Harvey, Joseph.  
 1914 Haskins, Nicholas Hopkins  
     Henry.  
 1915 Hayes, Edmund Duncan  
     Tranchell.  
 1920 Haythornthwaite, Becher  
     Fitz James.  
 1920 Healy, Francis.  
 1916 Hennessy, David Roderick  
     (*antea Lic.*)  
 1919 Henry, Rita.  
 1918 Hill, James Michael.  
 1919 Hill, John Edmund.  
 1917 Hill, Thomas Edward.  
 1920 Hirschmann, Joseph.  
 1915 Hoffman, Geoffrey Arthur.  
 1919 Hogan, William Joseph.  
 1919 Holmes, John Gerard.  
 1915 Horne, Andrew John.  
 1915 Hunt, William.  
 1917 Jackson, Meta Grace.  
 1918 Jameson, James Edward.  
 1913 Johnson, Benjamin (*antea*  
     *Lic.*).  
 1913 Johnson, Edward Sandwith.



- 1915 Johnson, Thomas William  
Gerald.  
 1913 Jones, Reginald Hastings.  
 1915 Joughin, George.  
 1913 Judd, Charles Francis.  
 1919 Keatinge, Gerald  
FitzMaurice.  
 1917 Keatley, John James.  
 1914 Kelly, Charles Patrick.  
 1913 Kelly, James Cecil.  
 1913 Kelly, Thomas James.  
 1916 Kidd, John Armstrong  
Crozier.  
 1914 King, Francis Joseph Ord.  
 1915 King, Maurice Baylis.  
 1916 Lane, Thomas Joseph.  
 1920 Lavelle, Henry Allman.  
 1919 Laverty, Samuel John.  
 1914 Lavy, Ernest Edward.  
 1914 Lawder, Trevor Abbott.  
 1913 Leeman, Percival Garmany.  
 1915 L'Estrange, Francis Albert.  
 1916 Lipman, Edward.  
 1914 Lowe, Rupert Cecil.  
 1917 Lubbe, Willem Petrus.  
 1918 Luce, Ethel Marjorie.  
 1914 Lumley, Eric Alfred.  
 1918 Lyndon, Eric James.  
 1914 M'Calden, Joseph Crawford  
Alfred.  
 1914 M'Carter, William Harold  
Raphael.  
 1918 M'Clintock, William James.  
 1914 M'Conkey, George Sidney.  
 1920 M'Connell, William  
Frederick.  
 1917 M'Crea, Edward D'Arcy.  
 1914 M'Cullagh, John Thomas.  
 1914 M'Cullough, David Louis  
(*antea Lic.*).  
 1917 M'Donald, Thomas Scannell.  
 1916 M'Donogh, Charles Lewers.  
 1920 M'Elwee, Daniel.  
 1918 M'Granahan, John Benson.  
 1918 M'Hugh, Fras. Assissium.  
 1914 M'Keag, Philip Wolfe.  
 1920 M'Kiernan, Thomas Hugh  
Robinson (*antea Lic.*).  
 1913 MacMahon, John Aquila.  
 1916 Macnamara, John Philip.  
 1917 M'Swiney, Bryan Austin.  
 1915 M'Swiney, Eugene John.  
 1914 M'Walter, James Charles(a).  
 1914 Madden, Robt. Jn. Bowman.  
 1919 Madill, Thomas.  
 1919 Magee, Albert William  
Darnley.  
 1920 Maguire, Joseph Ballan-  
tyne.  
 1913 Malherbe, Stephen John.  
 1915 Mannix, Edward John.  
 1916 Marks, Edward Oswald.  
 1917 Marshall, Gilbert.  
 1914 Martin, David Stanley.  
 1916 Meeredy, Cedric Cowan.  
 1913 Meeredy, Ralph John  
Richard.  
 1913 Merrick, Wm. Jeremiah.  
 1918 Merrin, Benjamin Damer.  
 1920 Micks, William Theodore.  
 1914 Miller, Henry Cecil  
Douglas.  
 1915 Mitchell, Francis Sydney.  
 1915 Mitchell, Herbert.  
 1918 Mitchell, Stanley Cyril.  
 1917 Molloy, Hastings Harley.  
 1920 Moshal, Bernard.  
 1918 Mulock-Bentley, Thomas.  
 1913 Murray, Herbert Edward.  
 1915 Murphy, Edward Harnett  
Patrick (a).  
 1916 Murphy, Frederick John.  
 1915 Murphy, Geraldine.  
 1915 Murphy, Grosvenor Fitzell  
Leybourne.  
 1918 Murphy, Louis John  
Patrick.  
 1920 Murphy, Richard Esmonde.  
 1919 Mynhardt, Johannes  
Tobias.  
 1915 Nash, Amy Florence (a).  
 1914 Nash, Edgar Llewellyn  
Foot.  
 1914 Newton-Brady, Arthur.  
 1919 Nugent, Leslie James.  
 1920 Nurock, Maurice.  
 1915 O'Connor, Francis  
William.  
 1917 Ogilvie, James Carter.  
 1914 Oldham, Thomas Vicars.  
 1914 Oliver, John Dudgeon.  
 1913 O'Reilly, Charles Joseph.  
 1916 Parker, Edward.  
 1918 Parker, Harry Lee  
 1918 Parr, Percy Crowe.  
 1917 Pellissier, Wilfred Vincent.

- 1920 Pemberton, William  
     Bernard Joseph.  
 1913 Peyton, William de Malet.  
 1920 Pienaar, Frederik Wynand.  
 1915 Pile, Charles Devereux.  
 1915 Pile, Douglas Chetham.  
 1913 Powell, Blacker Castles.  
 1913 Powell, Ievan Herbert.  
 1914 Power, Thomas Declan.  
 1918 Prentice, David Shields.  
 1916 Price, Alfred Henry.  
 1916 Pritchard, Robert William  
     (*antea Lic.*).  
 1919 Quin, James Sinclair.  
 1914 Quin, Joseph Archibald.  
 1914 Quin, Joseph Patrick.  
 1919 Quinlan, Cecil Joseph.  
 1916 Ramsay, Robert Clement  
     Burke.  
 1919 Resnekov, Reuben.  
 1919 Rice, Gertrude.  
 1917 Rice, Henry James.  
 1920 Robertson, Frederick  
     William.  
 1915 Robinson, Edmond.  
 1915 Robinson, James Salmond.  
 1916 Roche, Thomas Galvin.  
 1917 Rock, Patrick.  
 1914 Roddy, Francis Augustus.  
 1918 Rollins, Ernest Edward.  
 1914 Ronan, Walter Joseph.  
 1915 Ross, Evelyn.  
 1916 Russell, Mortimer M'Gee.  
 1920 Russell, William James  
     Alexander.  
 1915 Rutherford, Henry Ireland  
     Gascoigne.  
 1915 Ryan, John Milo.  
 1914 Ryan, Michael Joseph.  
 1914 Ryan, Wm. Aloysius.  
 1918 Scharff, John William.  
 1920 Scholtz, Wouter de Vos.  
 1918 Shannon, William Alfred.  
 1915 Shaw, Frederic Roland  
     Studdert.  
 1917 Shaw, George William  
     Bernard.  
 1919 Shaw, Richard William.  
 1915 Shegog, Richard Wellington.  
 1920 Sheppard, John Farnsworth.  
 1919 Sheppard, Mary Christina.  
 1914 Sheridan, Bertrand Cecil  
     Owens.  
 1915 Sherowitz, Cecil Guedalla.  
 1919 Shortt, Charles John  
     de Vere.  
 1913 Simpson, John Thomas.  
 1920 Small, Francis Victor.  
 1913 Small, James Alexander.  
 1919 Smartt, Robert Bevan  
     Nangle.  
 1919 Smith, Frederick Joseph.  
 1917 Smith, Paul Herbert  
     Shelley.  
 1920 Smyth, Essie Stuart.  
 1920 Snijman, Adrian Johannes  
     Louw.  
 1915 Snodgrass, William  
     M'Elrea.  
 1915 Speares, John.  
 1915 Stanton, George.  
 1916 Stanton, Thomas.  
 1913 Stewart, Richard Arthur.  
 1913 Stewart, William John.  
 1920 Steyn, Arthur Isaac.  
 1917 Sullivan, Fleetwood Wm.  
     Porter.  
 1914 Sullivan, Robert Ievers.  
 1913 Stubbs, Jn. Wm. Cotter.  
 1917 Swanepoel, Petrus  
     Johannes.  
 1915 Sweetnam, Thomas  
     William.  
 1918 Sweetnam, William.  
 1918 Sygne, Victor Millington.  
 1917 Tabuteau, Thomas Bous-  
     field Herrick.  
 1913 Taylor, Eleanor Emily.  
 1919 Thompson, Albert Hugh.  
 1914 Thompson, Thomas James  
     Logan.  
 1918 Tivy, Eric Reginald.  
 1914 Tobias, William Oliver.  
 1915 Todd, Andrew William  
     Palethorp.  
 1914 Tyndall, William Ernest.  
 1915 Vance, Robert Lancelot.  
 1920 van der Merwe, Frederick  
     Ziervogel.  
 1919 van der Merwe, Henry  
     Blundell.  
 1914 Varian, George Amos.  
 1915 Varian, Hilda Maud.  
 1914 Vickery, Edward Percival  
     Hadden.  
 1919 Vorster, Alewijn Johannes.

1915 Walker, Joseph Henry Cranston.	1916 Westby, John Thorp.
1919 Walker, Victor George.	1920 Wicht, Johan Fredrik.
1915 Walker, Wm. Benjamin.	1917 Wicht, William Frederick.
1915 Wallace, Kathleen Doratheia.	1919 Wilson, Alfred Leopold.
1914 Wallace, Quentin Vaughan Brooke.	1918 Wilson, Edward Francis.
1919 Warren, Thomas James Russell.	1915 Wilson, William Fothergill.
1914 Waters, William Richard Lloyd.	1918 Wolfe, Margaret.
1915 Watson, Arthur Hubert.	1914 Wood, George Harold.
1914 Webb, Dorothy Emily.	1917 Wright, Alan Glynn.
1915 West, Cecil M'Laren.	1916 Wright, Herbert James.
	1916 Young, Charles Owen James.
	1918 Young, William Leech.

## LICENTIATES IN MEDICINE, IN SURGERY, AND IN OBSTETRIC SCIENCE.

1917 Banks, Harry.	1913 M'Cullough, David Louis.
1915 Beatty, Thomas Edward Bellingham.	1918 M'Kiernan, Thomas Hugh Robinson.
1914 English, Joseph Sandys.	1918 Nesbitt, Robert Wallace.
1914 Evans, Edward.	1916 Pritchard, Robert William.
1914 Fletcher, James Henry.	1917 Taylor, James Benjamin.
1916 Hennessy, David Roderick.	1916 Wier, Crosbie.

## DEGREES AND LICENSES IN DENTAL SCIENCE.

## BACHELORS IN DENTAL SCIENCE.

1916 Counihan, Maurice Louis.	1916 Parr, William Burleigh.
1919 Dorman, Irene Olive.	1913 Simpson, Oswald Givan Ewart.
1917 Flavelle, Henry Erasmus.	1915 Tucker, Frederic Charles.
1916 Herbert, Charles Henry.	1917 Wigoder, Lionel.
1914 Magennis, Mary de Sales.	1913 Wigoder, Louis Eli.
1918 M'Keag, Hugh Theodore Alexander.	1914 Wright, Herbert James.

## LICENTIATES IN DENTAL SCIENCE.

1913 Kingston, William Young.
1914 MacNaught, Kenneth Cresdee.

## DEGREES IN ENGINEERING.

(These Lists, taken in conjunction with those in the Special Supplemental Volume for 1912-3, contain the names of all persons on whom these Degrees were conferred.)

## MASTERS IN ENGINEERING.

1913 Babington, Oscar John • Gilmore.	1913 Grubb, George Rudolf.
1920 Costello, John Francis.	1920 Neilson, William Hard- castle.
1920 Dawson, Lionel Edward.	1919 Rowan, Alfred Charles.
1920 Ffolliott, John Hyde Robin- son.	1918 Stoney, George Gerald ( <i>s. c.</i> ).
1914 Griffith, Sir John Purser ( <i>h. c.</i> ).	

## BACHELORS IN ENGINEERING.

1918 Allen, David Edgar.	1914 Featherstone, Albert John.
1915 Allen, Wentworth.	1916 Ffolliott, John Hyde Robinson.
1919 Atkinson, Matthew William.	1913 Gage, Francis Cuppage.
1916 Baile, George Frederick Cecil.	1913 Gardner, Eric.
1916 Bergin, Charles Joseph.	1919 Gibson, Cyril Ernest ( <i>antea Lic.</i> )
1915 Bradley, Joseph.	1913 Gilmore, George Ross.
1913 Bradstreet, Gerald.	1919 Glasgow, Benjamin George Little.
1915 Blunden, Eric Overington.	1919 Good, Frederick Newby.
1915 Brennan, Thomas Francis.	1915 Hancock, John Henry.
1913 Britton, Wm. Kerr Magill.	1915 Hayes, Cyril Beauchamp.
1915 Brown, Charles.	1913 Hemsworth, Thos. Garrett Fredk.
1915 Carolin, Charles George Sin- clair.	1919 Howe, Norman David ( <i>antea Lic.</i> ).
1913 Chandler, Harold Morgan.	1920 Hudson, John Richard Gibson.
1919 Chapman, Frederick William Barratt.	1919 Jackson, Eugene Went- worth Disney.
1914 Clegg, Richard Bagnall.	1919 Jones, Lewis Arthur.
1916 Cole, Fleetwood John.	1914 Kiersey, Thomas.
1915 Cope, George Ivan.	1914 Kyle, David Logan.
1914 Craig, Isaac Murray.	1916 Lewis, Henry William.
1916 Craig, Malcolm Thomas.	1913 Low, Gavin.
1920 Crookshank, Henry.	1914 Lyle, Arthur Nevin.
1919 Deane, Edward Newenham.	1914 M'Cahon, Robert.
1915 Deane-Oliver, Richard Edward.	1913 MacIvor, Charles Vernon.
1914 Dixon, Reginald Malyn.	1920 Mackey, Cornelius Anthony.
1915 D'Olier, Brian Valentine.	1916 Martin, Edward Henry.
1915 Doran, Walter Edmund.	
1913 Douglas, Arthur Henry.	
1914 Doyle, Joseph Patrick.	
1913 Evans, Wm. St. Leger.	
1918 Fagan, William John.	



1914 Meredith, Dermot.	1913 Smith, Lauder Benjamin Sandys.
1915 Moffatt, William James.	1919 Smith, William.
1920 Moore, Edward Dawson.	1920 Smyth, Henry James.
1920 Moran, John William.	1914 Somerville, Richard Newman.
1913 Morgan, Eric Basil.	1914 Stevenson, George.
1919 Morgan, William John.	1916 Stone, William Henry Copeland.
1913 Morphy, Henry.	1914 Stringer, Albert Edward.
1914 Morton, David Hamill.	1913 Thompson, John Webster.
1917 Murphy, Dermott.	1913 Tomlinson, Wm. Geo. Philip.
1914 Musgrave, Christopher Norman.	1913 Treanor, Robert Seymour Stanley.
1915 Musgrave, Francis Edward.	1920 Troughton, John Herbert Watson.
1915 Neale, Charles Addison.	1916 Twitchett, William.
1913 Nicholls, Henry.	1914 Vaughan, Leslie Reginald.
1918 Pierson, Henry Alfred ( <i>antea Lic.</i> ).	1920 Walpole, George Frederick.
1913 Pemberton, Frederick.	1913 Watson, William.
1916 Poole, John Hewitt Jellett.	1920 Weldon, Hugh Bradshaw.
1914 Potterton, William Hubert.	1913 Wilmot, Horace Francis.
1914 Price, Harold Robert.	1914 Woodside, James.
1919 Radakrishnan, Tiruvidi.	1913 Worthington-Eyre, Wm. Stratford.
1917 Rankin, Robert Wm. Roy.	
1919 Robertson, Charles Wyndham.	
1915 Russell, Joshua Forbes.	
1913 Shee, John Robert Lloyd.	

## LICENTIATES IN ENGINEERING.

1918 Gibson, Cyril Ernest.	1914 Martin, Edward Henry.
1914 Howe, Norman David.	1918 Pierson, Henry Alfred.

## DEGREES IN AGRICULTURE.

## BACHELORS IN AGRICULTURE.

1918 Chaloner, John Cole.
1918 Mason, Thomas Godfrey.

## PROFESSORS AND LECTURERS OF THE UNIVERSITY.

*Erasmus Smith's Professor of Mathematics.*

1914 Stephen Barnabas Kelleher, M.A.

1917 Robert Russell, M.A.

*Donegal Lecturer in Mathematics.*

1917 Reginald Arthur Percy Rogers, M.A.

*Assistant to the Professor of Natural Philosophy.*

1914 John Fraser, M.A.

*Lecturer in Palæontology.*

1913 Louis Bouvier Smyth, B.A.

*Lecturers in Mathematics.*

1918 Charles Henry Rowe, B.A.

1919 John Lighton Synge, B.A.

1920 Timothy Stanislaus Broderick, B.A.

*Regius Professor of Greek.*

1915 Josiah Gilbert Smyly, Litt.D.

*Professor of Latin.*

1915 George William Mooney, M.A.

*Professor of Hebrew.*

1920 Robert Malcolm Gwynn, B.D.

*Professor of Sanskrit and Comparative Philology.*

1914 Hugh Canning, M.A.

*Professor of German.*

1915 Gilbert Waterhouse, M.A. (Cantab.).

*Professor of Irish.*

1919 Thomas Francis O'Rahilly, M.A. (N.U.I.).

*Professor of Modern East Indian Languages.*

1913 John van Someren Pope, M.A. (Cantab.).

*Professor of English Literature.*

1913 Wilbraham Fitzjohn Trench, Litt.D.

*Lecturer in Anglo-Saxon.*

1915 Gilbert Waterhouse, M.A. (Cantab.).

*Lecturer in French.*

1914 Janie Karolin Renton, B.A.

*Lecturer in Russian.*

1916 Janie Karolin Renton, B.A.

*Lecturers in Italian.*

1916 Thomas Brown Rudmose-Brown, M.A. (Aberdeen),  
D.Litt. (Grenoble).

1920 Sir Robert William Tate, M.A.

*Erasmus Smith's Professor of Oratory.*

1914 Edmund Curtis, M.A. (Oxon.).

*Erasmus Smith's Professor of Modern History.*

1914 Edmund Curtis, M.A. (Oxon.).

*Lecky Professor of Modern History.*

1914 Walter Alison Phillips, M.A. (Oxon.).

*Lecturer in Modern History.*

1911 Constantia Elizabeth Maxwell, M.A.

*Regius Professor of Divinity.*

1917 Alan Hugh McNeile, D.D. (Cantab.).

*Permanent Deputy for the Regius Professor of Divinity.*

1916 James George Carleton, D.D.

*Archbishop King's Professor of Divinity.*

1916 Newport John Davis White, D.D.

*Professor of Biblical Greek.*

1916 Robert Malcolm Gwynn, B.D.

*Professor of Pastoral Theology.*

1917 John Godfrey FitzMaurice Day, M.A. (Cantab.).

*Lecturer in the English Bible.*

1916 Hugh Jackson Lawlor, D.D., Litt.D.

*Donnellan Lecturers.*

- 1914 Rt. Rev. Charles Frederick D'Arcy, D.D., Lord Bishop of Down.
- 1915 Rt. Rev. William Boyd Carpenter, D.D.
- 1916 Rt. Rev. William Boyd Carpenter, D.D.
- 1918 Rev. Alan Hugh McNeile, D.D. (Cantab.).
- 1919 Rev. Charles Earle Raven, M.A. (Cantab.).
- 1920 Very Rev. Joseph Armitage Robinson, D.D. (Cantab.).
- 1921 Rev. Arthur Aston Luce, D.D.

*Subjects of the Donnellan Lectures.*

- 1914 New Thought and Old Problems : a study of recent movements in Philosophy.
- 1915 Religious Consciousness.
- 1916 Boethius.
- 1918 The Russian Church.
- 1919 Christianity and Social Problems, 1800-1860.
- 1920 Barnabas, Hermas, and Didache : a study of their sources and mutual relations.
- 1921 Bergson's Philosophy.

*Reid Professor of Laws.*

- 1914 James Anderson, LL.B. (Lond.).
- 1915 William Lowry, LL.B. (Q. U. B.).

*Regius Professor of Medicine.*

- 1917 John Mallet Purser, M.D.

*Regius Professor of Surgery.*

- 1916 Edward Henry Taylor, M.D.

*Professor of Surgery.*

- 1916 Thomas Eagleson Gordon, M.B.

*University Anatomist.*

- 1916 Edward Henry Taylor, M.D.

*Professor of Bacteriology and Preventive Medicine.*

- 1919 Adrian Stokes, M.D.

*Lecturer in Applied Anatomy.*

- 1919 Adams Andrew M'Connell, M.B.

*Chief Demonstrators of Anatomy.*

- 1910 John Robert Dunn Holtby, M.B., B.S. (Dunelm).
- 1919 Isaac Whitla Corkey, M.B.
- 1919 William Ivon Hayes.

*King's Professor of Institutes of Medicine.*

- 1919 Harold Pringle, M.D.



*Lecturers in Dental Surgery and Dental Pathology.*

1910 Arthur Windowe Willert Baker, M.D., M.Dent.Sc.

1910 William George Theaker Story, M.B.

*Lecturer in Dental Mechanics.*

1910 Joseph Cockburn.

*Lecturer in Orthodontia.*

1910 Ernest Sheldon Friel, M.Dent.Sc.

*Lecturer in Anæsthetics.*

1910 Thomas Percy Claude Kirkpatrick, M.D.

*Honorary Professor of Laryngology and Otology.*

1916 Sir Robert Henry Woods, M.D., M.Ch.

*Honorary Professor of Dermatology.*

1917 Wallace Beatty, M.D.

*Honorary Professor of Harbour Engineering.*

1920 Sir John Purser Griffith, M.A.I.

*Reader in Indian Law.*

1913 George William Place, LL.B.

*Lecturer in Education.*

1916 James Maxwell Henry, M.A.

## BENEFACTORS OF TRINITY COLLEGE

1913. Bequeathed by Robert Redman Belshaw, Esq., of 2 Sydney Terrace, Upper Leeson Street, Dublin, estate for the endowment of four scholarships for Divinity Students who have offered their services to the Church Missionary Society, and whose offers have been accepted. The four scholarships are to be called the Belshaw, the Beddy, the John Jacob, and the Christian Jacob Scholarships respectively.

Presented to the College, by Mrs. Edward Maziere Courtenay, a valuable collection of about 400 Orchids.

Bequeathed by Robert John Montgomery, M.B., to Trinity College and the Royal College of Surgeons, £5000 to found a Lectureship in Ophthalmology.

Presented by Francis Joseph Bigger, Esq., M.R.I.A., Ardrigh, Belfast, to the School of Anatomy, an engraved portrait, dated 1825, of Professor James Macartney, M.D., F.R.S.

1914. Presented by Richard Montague Stack Pearsall, Esq., a collection of Dental Specimens made by his father.

Presented by Sir John Winthrop Hackett, Chancellor of the University of Western Australia, the sum of £100 for the furtherance of the study of Classical Archaeology in Trinity College, Dublin.

1916. Presented by the Earl of Rosse, through the Hon. Richard Parsons, M.A., various scientific apparatus belonging to his father, the late Earl of Rosse, late Chancellor of the University. Presented by Captain H. L. Norton Traill, to the Anthropometric Laboratory, a valuable collection of fourteen skulls from Northern Nigeria, thus filling a gap in the fine collection already in College.
- Presented by Patrick W. Maxwell, M.D., F.R.C.S.I., to the School of Anatomy, a portrait of the late Sir William Turner, Sc.D. (*Hon. Causa*) of the University of Dublin, Principal of the University of Edinburgh, and for many years Professor of Anatomy at Edinburgh.
- Presented by the Right Hon. Sir Edward Carson, LL.D., M.P. a Silver Cup to the Officers' Training Corps, as an appreciation of the service they rendered during the Sirr Fein Rebellion.
- Presented by the Very Rev. Charles T. Ovenden, D.D., a Picture of Provost Humphrey Lloyd, painted by the donor.
- Presented to Trinity College by Lady Ardilaun, a large silver centre-piece, "in memory of one of its graduates, the late Lord Ardilaun, who ever held the College in much affection."
- Presented by Sir John Purser Griffith, a working model of the Twin Scherzer Rolling Lift Bridges over the Royal Canal Entrance, North Wall.
1917. Presented to Trinity College by W. Teignmouth Shore, LL.D., a handsome silver vase, which had been presented to his father by the late King Edward.
- Presented by Sir John Purser Griffith, some models of the plant used by Bindon Blood Stoney, LL.D., M.A.I., in laying the great masonry blocks of 350 tons used in the construction of the North Wall extension.
- Presented to the Engineering School, by F. J. Wakefield, Esq., two models of the Eastern Breakwater Light and the original Perch Light which it replaced.
1918. Bequeathed to the College by Miss Anster, a bust of her father, Dr. Anster, the well-known translator of Faust.
- The Board on June 26, 1918, gratefully accepted Mr. J. R. H. O'Regan's offer of a prize, value £5 in books, to be founded after the War as the O'Regan Divinity Prize, and awarded once a year to the best answerer at the Final Divinity Examination in perpetuity, in memory of the late Archdeacon John O'Regan.
- Presented by the Dowager Lady Wolseley, a three-quarter portrait of the late Lord Wolseley.
- Presented by Mr. Theobald Mathew, an inscribed gold Snuff Box belonging to his father, the late Lord Justice Mathew, who "attributed much of his success to the help and encouragement he had received in Trinity College."
- Given by Lady Thompson, books and pamphlets belonging to the late Sir William Henry Thompson.
- Presented by Charles Athill Stanuall, M.A., a diary extending over many years.

In July, 1917, Mr. Gerard Alston Exham, F.T.C.D., paid £100, and in March, 1918, £50 for the re-endowment of the Dompierre-Chaufpié Prize, his original endowment having ceased in 1915 to pay a dividend. He also paid £23 10s. for prizes in the years 1915-1918. £173 10s.

1919. A captured gun and some other suitable trophies of a smaller nature sent to the College by H. M. Government.

Received from Lady Ardilaun, Lord Iveagh, and Sir James Murray £130 to buy books for a French Class Library.

Given by Miss Mahaffy, a portrait of the late Provost, to be preserved in the Provost's House.

1920. His friends subscribed £300 to endow a Prize in memory of Captain Kingsmill Williams Jones, M.D., R.A.M.C., who was killed in action on August 2, 1918, while attending to the wounded in the front line.

#### VICE-CHANCELLORS OF THE UNIVERSITY.

1919 Most Rev. John Henry Bernard, D.D. Lord Archbishop of Dublin, 1915-9.

1919 Right Hon. Sir James Henry Mussen Campbell, Bart. LL.D. 1904. M.P. for the University, 1903-1917. Lord Chancellor of Ireland, 1918.

#### REPRESENTATIVES IN PARLIAMENT.

1917 Arthur Warren Samuels, LL.D.

1918 Sir Robert Henry Woods, M.Ch.

1919 William Morgan Jellett, B.A.

#### PROVOSTS OF TRINITY COLLEGE.

1904 Anthony Traill, LL.D., M.D., M.Ch. Died, October 15, 1914.

1914 John Pentland Mahaffy, D.D., Mus.D., G.B.E. 1918. Admitted Provost, November 20, 1914. Died, April 30, 1919.

1919 John Henry Bernard, D.D. Admitted Provost, June 12, 1919. Lord Archbishop of Dublin, 1915-9. President of the Royal Irish Academy, 1916. Privy Councillor, 1919.

#### FELLOWS OF TRINITY COLLEGE.

1852 Benjamin Williamson. Resigned, October 16, 1915. Died, January 4, 1916.

1854 Thomas Kingsmill Abbott. Died, December 18, 1913.

1864 John Pentland Mahaffy. Vice-Provost, 1913. Admitted Provost, November 20, 1914.

1866 Francis Alexander Tarleton. Vice-Provost, 1914. Died, June 19, 1920.

1868 Robert Yelverton Tyrrell. Died, September 19, 1914.

1871 William Snow Burnside. Co-opted, *vice* Abbott, December 19, 1913. Resigned, December 21, 1917. Died, March 11, 1920.

1881 Louis Claude Purser. Co-opted, *vice* Tyrrell, September 30, 1914.

1882 William Ralph Westropp Roberts. Co-opted, *vice* Mahaffy, November 20, 1914.

- 1883 Edward Parnall Culverwell. Co-opted, *vice* Williamson, October 20, 1915.  
 1886 Alexander Charles O'Sullivan, M.D. Co-opted, *vice* Burnside, December 22, 1917.  
 1887 John Isaac Beare. Died, November 11, 1918.  
 1888 Robert Russell. Co-opted, *vice* Tarleton, June 22, 1920.  
 1890 Starkie, William Joseph Myles. Died, July 21, 1920.  
 1891 George Wilkins. Died, February 11, 1920.  
 1895 Gerard Alston Exham. Resigned, March 13, 1920.  
 1904 Stephen Barnabas Kelleher. Died, August 18, 1917.  
 1911 Samuel George Stewart. 2 Lt. R.F.A., May, 1915; Served in France, 1915-1918; Lt., Military Cross, wounded, and Bar to Military Cross, 1917; Major R.H. and R.F.A., October, 1917; killed in action, 27 October, 1918.  
 1913 Joseph Johnston.  
 1914 James Maxwell Henry.  
 1915 Francis La Touche Godfrey.  
 1919 John Joly. Admitted Fellow, February 8, 1919.  
 1920 Charles Henry Rowe.

## SCHOLARS OF TRINITY COLLEGE.

[*Non-Foundation Scholars in Italics.*]

1913.

*Classics.*

Kyle, John Andrew.  
 Stevenson, William King.  
 Tweedy, Cecil Mahon.  
 Flewett, Henry Walter.  
 Purefoy, Thos. Amyrald Wray.  
 Davis, Harold Percy Whitton.  
*Johnson, Sara Winifred.*  
 Priestman, Harold Eddey.  
 Fitzmaurice, James Gerald.

*Modern Languages.*

Magowan, John Hall.  
*Moore, Nina Joyce.*  
*Duncan, Lilian.*

*Mathematics.*

Bradley, Joseph.  
 Perry, William Millar.  
*Anderson, Jeanie.*  
 Collins, Maurice.  
 Conlin, Bernard Francis.  
 Galvin, Barry St. John.  
 West, Arthur Eustace Lockley.

*Experimental Science.*

Poole, John Hewitt Jellett.  
 Ball, Nigel Gresley.

1914.

*Classics.*

Moore, Theodore Cunyngham  
 Kingsmill.  
 Farrington, Benjamin.  
 Glen, James Alexander.  
 Davis, James Carlisle.  
 Richardson, Leopold John Dixon.  
 Brownell, Reginald Samuel.

*Modern Languages.*

Pearsall, Richard Theodore Stack.  
*O'Connor, Dorothy Georgina Noël.*

*Mathematics.*

West, James Stratford.  
 Moran, Francis.  
 Meredith, Frederick William.  
 Johnston, Wilfrid.  
 Osborne, Henry John.

*Experimental Science.*

Martin, Denis Richard.



1915.

*Classics.*

Mack, William Henry Bradshaw.  
 Donaldson, John Coote.  
 Starkie, Walter Fitz William.  
 Micks, Robert Henry.  
 Bailey, Kenneth Claude.  
 Browne, Walter FitzGerald.  
 Trimble, Noel Desmond.  
 McLean, Alexander Dewar.

*Modern Languages.*

Hogg, Amy.  
 Abrahamson, Leonard.

*Mathematics.*

Rowe, Charles Henry.  
 Funstan, Margaret Florence.  
 Owens, Percival Hirst.  
 Smith, William Leslie Winslow.  
 Tate, Herbert.  
 Beaumont, John Nelson.

*Experimental Science.*

Hughes, Kathleen Harriet.  
 Syngé, Victor Millington.

1916.

*Classics.*

Thornton, Harold Victor.  
 Doak, William Burton.

*Modern Languages.*

Patton, Frances Petticrew.  
 Magowan, Jane Elizabeth.  
 Leventhal, Abraham Jacob.

*Mathematics.*

Synge, John Lighton.  
 Beatty, John Edge  
 Wilson, Daisy.  
 Boyce, Alfred William.

*Experimental Science.*

Spence, David Sheridan.

1917.

*Classics.*

Irwin, Oliver Ar. Crawford.  
 Mack, Gordon Sylvester Bradshaw.  
 Laidlaw, William Allison.  
 Ford, Arthur Theodore Irvine.  
 Whitfield, Vivian.  
 Deane, Elizabeth.

*Modern Languages.*

Noble, Emily Mary.  
 Magowan, Mary Rachel.  
 Barrington, Margaret Louise.  
 Young, Robert Lovell.

*Mathematics.*

Broderick, Timothy Stanislaus.  
 Horan, John Beattie.  
 West, William George.  
 Butler, Annie Kathleen.

*Experimental Science.*

Carpenter, George Kingsford.  
 Fearon, William Robert.

1918.

*Classics.*

Gibson, John Percival.  
 Ferguson, Robert Mervyn.  
 Tate, Jonathan.  
 Megarry, Thomas.  
 Johnston, Anne Elizabeth.

*Modern Languages.*

North, Meta Evelyn.

*Mathematics.*

Gibson, Cyril Ernest.  
 Williams, Alfred Cecil.  
 Walsh, Cyril Edward.  
 Ruben, Harry.

*Experimental Science.*

Bell, James.

1919.

*Classics.*

Kennedy-Skipton, George Stacy.  
Steele, Robert William.

*Modern Languages.*

Oulton, Charles Cameron Courteney.  
Stewart, William M'Causland.  
*Wilson, Aileen Dorothy May.*  
*Noble, Elizabeth.*  
*Finch, Ruby Violet.*

*Mathematics.*

M'William, William Nicholson.  
Ruben, Hymen.  
Darlington, Arthur.  
*Rainsford, Angel.*

*Experimental Science.*

Bowers, Henry.  
*Judge, Lucy Ruth.*  
*M'Donald, Elizabeth.*  
Eyre, Cecil George.

1920.

*Classics.*

Beare, William.  
*Ffrench, Georgina Noelle Mary.*  
West, John Alexander.  
*Clayton, Muriel.*  
Walton, Robert Gabbett Dundonald.  
Duncan, George Alexander.  
Lumley, Edward Kenneth.

*Modern Languages.*

North, George Cecil.  
*Wilson, Mabel Kathleen Annie.*  
M'Keown, James Albert.  
North, Harold Stoney.  
Jones, Edward Aykroyd.  
*Anderson, Ivy Geraldine.*

*History and Political Science.*

Emerson, Norman David.  
Bourke, Patrick.  
*Lyster, Charlotte Cameron.*  
Maginess, William Brian.

*Mathematics.*

Gilbert, Thomas Travers.

*Experimental Science.*

Purdy, Gordon.  
Holmes, William.  
*Lavelle, Dorothy Frances Hope.*  
*Copeland, Mary Edith.*  
*Watson, Hester Adelaide.*  
*Armstrong, Anna Elizabeth.*  
Thrift, William Henry.  
Armstrong, Henry Joseph Livingston.

*Natural Science.*

Brambell, Francis William  
Rogers.  
*Flood, Margaret Greer.*

## Trinity College,

July 1.

1920.

*Visitors.*

THE CHANCELLOR (or, in his absence, THE VICE-CHANCELLOR)  
and  
THE LORD CHIEF JUSTICE.

*Provost.*

THE RIGHT HON AND MOST REV. JOHN HENRY  
BERNARD, D.D., . . . . . 1919

*Senior Fellows.*

	Co-opted.	Elected.
1 Rev. Thomas Thompson Gray, M.A. . . . .	1898	1862
2 George Lambert Cathcart, M.A. . . . .	1908	1870
3 Louis Claude Purser, Litt.D. . . . .	1914	1881
4 Rev. William Ralph Westropp Roberts, D.D. . . . .	1914	1882
5 Edward Parnall Culverwell, M.A. . . . .	1915	1883
6 Alexander Charles O'Sullivan, M.D. . . . .	1917	1886
7 Robert Russell, M.A. . . . .	1920	1888

*Junior Fellows.*

1 Matthew Wyatt Joseph Fry, M.A. . . . .	1889
2 Henry Stewart Macran, M.A. . . . .	1892
3 Edward John Gwynn, M.A. . . . .	1893
Gerard Alston Exham, M.A. . . . .	1895
4 William Edward Thrift, M.A. . . . .	1896
5 Josiah Gilbert Smyly, Litt.D. . . . .	1897
6 George William Mooney, M.A. . . . .	1890
7 William Kennedy, M.A. . . . .	1908
8 Reginald Arthur Percy Rogers, M.A. . . . .	1901
9 William Alexander Goligher, Litt.D. . . . .	1902
10 John Fraser, M.A. . . . .	1903

11 Ernest Henry Alton, M.A. . . . .	1905
12 Rev. Robert Malcolm Gwynn, B.D. . . . .	1906
13 George Randolph Webb, M.A. . . . .	1907
14 Sir Robert William Tate, M.A. . . . .	1908
15 Harry Thrift, M.A. . . . .	1909
16 Hugh Canning, M.A. . . . .	1910
17 Rev. Arthur Aston Luce, D.D. . . . .	1912
18 Joseph Johnston, M.A. . . . .	1913
19 James Maxwell Henry, M.A. . . . .	1914
20 Francis La Touche Godfrey, M.A. . . . .	1915
21 John Joly, Sc.D. . . . .	1919
22 Charles Henry Rowe, B.A. . . . .	1920

[In the lists of Scholars, Pensioners, and Sizars, the number inserted before each name gives, by referring to the following table, the name of the corresponding Tutor :—

1 Mr. Kennedy.	8 Mr. Canning.
2 Mr. Rogers.	9 Mr. R. M. Gwynn.
3 Dr. Goligher.	10 Dr. Luce.
4 Mr. Fraser.	11 Mr. Johnston.
5 Mr. Alton.	12 Mr. Henry.
6 Sir Robert W. Tate.	13 Mr. Godfrey.]
7 Mr. H. Thrift.	

#### SCHOLARS OF THE HOUSE. (49)

##### SCHOLARS.

##### Senior Bachelor.

- 5 Boyce, Alfred William.

##### Middle Bachelors.

- 9 Beatty, John Edge, B.A.  
 2 Broderick, Timothy Stanislaus, B.A.  
 3 Carpenter, George Kingsford, B.A.  
 1 Doak, William Burton, B.A.  
 2 Leventhal, Abraham Jacob.

##### Junior Bachelors and Candidate Bachelors.

- 4 Eyre, Cecil George, B.A.  
 1 Ford, Arthur Theodore Irvine.  
 8 Gibson, Cyril Ernest, B.A.  
 3 Horan, John Beattie, B.A.

##### Junior Bachelors and Candidate Bachelors (cont.).

- 1 Irwin, Oliver Arthur Crawford, B.A.  
 12 Ruben, Harry.  
 7 Synge, John Lighton, B.A.  
 4 West, William George, B.A.  
 1 Young, Robert Lovell, B.A.

##### Senior Sophisters.

- 1 Bell, James.  
 7 Bowers, Henry.  
 6 Ferguson, Robert Mervyn.  
 1 Gibson, John Perceval.  
 3 Kennedy-Skipton, George Stacy.  
 1 Laidlaw, William Allison.  
 5 Mack, Gordon Sylvester Bradshaw.  
 12 Ruben, Hymen.  
 7 Walsh, Cyril Edward.



**Junior Sophisters.**

- 8 Darlington, Arthur.
- 3 M'William, Wm. Nicholson.
- 1 Maginess, Brian.
- 3 Megarry, Thomas.
- 3 North, George Cecil.
- 3 North, Harold Stoney.
- 3 Steele, Robert William.
- 3 Tate, Jonathan.
- 1 Thrift, William Henry.
- 8 Williams, Alfred Cecil.

**Senior Freshman.**

- 7 Armstrong, Henry Joseph  
Livingston.
- 1 Beare, William.
- 5 Bourke, Patrick.
- 3 Brambell, Francis William  
Rogers.
- 9 Emerson, Norman David.
- 7 Gilbert, Thomas Travers.
- 1 Holmes, William.
- 6 Jones, Edward Aykroyd.
- 1 Lumley, Edward Kenneth.
- 6 M'Keown, James Albert.
- 7 Purdon, Gordon.
- 1 Stewart, William M'Causland.
- 10 Walton, Robert Gabbett Dun-  
donald.
- 9 West, John Alexander.

**Junior Freshman.**

- 3 Duncan, George Alexander.

**NON-FOUNDATION SCHOLARS.**

(25 women.)

**Senior Bachelors.**

- 7 Butler, Annie Kathleen, B.A.
- 4 Deane, Elizabeth, B.A.
- 6 Noble, Emily Mary, B.A.

**Middle Bachelors.**

- 3 Barrington, Margaret Louise,  
B.A.
- 1 Flood, Margaret Greer.
- 6 Magowan, Jane Elizabeth, B.A.
- 6 Patton, Frances Petticrew, B.A.

**Junior Bachelors.**

- 6 Noble, Elizabeth, B.A.
- 5 Whitfield, Vivian, B.A.
- 1 Wilson, Aileen Dorothy Mary,  
B.A.

**Senior Sophisters.**

- 3 Copeland, Mary Edith.
- 3 Finch, Ruby Violet.
- 3 Johnston, Anne Elizabeth.
- 7 Judge, Lucy Ruth.
- 8 Lavelle, Dorothy Frances Hope.
- 1 Lyster, Charlotte Cameron.
- 3 M'Donald, Elizabeth Mary.
- 3 North, Meta Evelyn.
- 7 Watson, Hester Adelaide.

**Junior Sophisters.**

- 3 Anderson, Ivy Geraldine.
- 7 Armstrong, Anne Elizabeth.
- 12 Rainsford, Angel.
- 3 Wilson, Mabel Kathleen Annie.

**Senior Freshmen.**

- 5 Clayton, Muriel.
- 3 Ffrench, Georgina Noelle Mary.

## DOCTORS AND MASTERS.

*Thus marked (\*) have been Fellows.*

## D. D.

Lawlor, Hugh Jackson.  
 McNeile, Alan Hugh.  
 White, Newport John Davis.

## LL. D.

Bastable, Charles Francis.  
 Baxter, James Sinclair.  
 Campbell, Rt. Hon. Sir James  
   Henry Mussen.  
 Carson, Rt. Hon. Sir Ed. Henry.  
 Madden, Right Hon. Dodgson  
   Hamilton.  
 Samuels, Arthur Warren.  
 White-King, Sir Lucas.

## M. D.

Craig, James.  
 Purser, John Mallet.  
 Smith, Walter George.  
 Taylor, Edward Henry.

## Sc. D.

Dixon, Andrew Francis.  
 Dixon, Henry Horatio.  
 Werner, Emil Alphonse.  
 Young, Sydney.

## Litt. D.

\*Bury, John Bagnall.  
 Trench, Wilbraham Fitzjohn.  
 Waterhouse, Gilbert.

## M.Ch.

Woods, Sir Robert Henry.

## M.A.

Brown, Edmund St. Clair.  
 Caley, William Leonard Bertram.  
 Classon, William Herbert.  
 Crook, Robert Francis.  
 Curtis, Edmund.  
 Dawson, William James.  
 Dockrill, John.  
 Fitz Gerald-Lombard, Roger  
   Edward.  
 Jennings, John Andrew.  
 Mackintosh, Henry William.  
 Moore, William.  
 Parker, George William.  
 Phillips, Walter Alison.  
 Plummer, Henry Crozier.  
 Pope, John van Someren.

## M.A.I.

Alexander, Thomas.

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*A list of the Doctors and Masters  
 whose names are retained on the  
 College Books, in accordance with  
 the Decree of the Provost and  
 Senior Fellows, dated January  
 22, 1859, and amended on Janu-  
 ary 13, 1872, will be found under  
 the head "Senatus Academicus."*

## PENSIONERS.

**Candidate Masters, Senior  
 and Middle Bachelors.**

(22 men.)

- 10 Acheson, William Gordon,  
   B.A.  
 5 Bolton, Reginald Rainsbury,  
   B.A.

*Candidate Masters, Senior and Middle Bachelors (contd.).*

- 1 Borm-Reid, Robert M'Minn, B.A.
- 1 Coleman, William George.
- 1 Costeloe, Francis Herbert John, B.A.
- 8 Crosbie, John Henry Brenell, B.A.
- 13 FitzGerald, George Francis, B.A.
- 5 Forde, Robert Geoffrey Alexander, B.A.
- 3 Foster, Robert Hosford, B.A.
- 9 Good, Frederick Newby, B.A.
- 3 Hanna, Henry Lyle, B.A.
- 2 Hemmingway, Douglas Lennox, B.A.
- 6 Henchy, Dudley North, B.A.
- 9 Jackson, Eugene Wentworth, Disney, B.A.
- 2 Jennings, Cyril Cuthbert, B.A.
- 7 Jones, Alexander Thomas, B.A.
- 1 Levingston, John Learmonth, B.A.
- 3 Miller, William Verner, B.A.
- 3 O'Grady, James Joseph, B.A.
- 5 Price, Ivon Kinahan, B.A.
- 2 Ratcliffe, Cecil Wentworth Gordon, B.A.
- 4 Reid, Robert Higginson, B.A.

**Junior Bachelors and Candidate Bachelors.**

(1 woman + 91 men = 92.)

- 2 Armstrong, Arthur Patrick, B.A.
- 5 Armstrong, James Septimus.
- 3 Armstrong, John, B.A.
- 9 Beatty, Desmond, B.A.
- 1 Beatty, Thomas Edward Bellingham, B.A.

*Junior Bachelors (contd.).*

- 5 Benson, Ernest Edmondson, B.A.
- 8 Bewley, Arthur Geoffrey.
- 5 Blagoff, Athanas, B.A.
- 3 Bobbett, Patrick Mary Joseph, B.A.
- 5 Bradford, Samuel.
- 6 Brownell, Thomas Charles.
- 13 Cheyne, John Donald Edmund, B.A.
- 3 Corbet, Robert Henry Joseph Mulhall, B.A.
- 1 Craddock, Cecil Graham.
- 11 Deacon, Charles Henry.
- 1 Dillon, Leopold MacGregor, B.A.
- 1 Dobbyn, Alexander Lee.
- 3 Elliott, James.
- 3 Elvery, William Malcolm Moss.
- 3 Felton, Robert Evan.
- 5 Given, Thomas Frederick, B.A.
- 3 Glynn, Patrick.
- 10 Good, William, B.A.
- 4 Goode, John Evans.
- 1 Hamilton, Noble Holton, B.A.
- 9 Hill, Frederick Charles.
- 2 Hofmeyr, Harold Osmond, B.A.
- 3 Hopkin-James, David Kynvelyn John.
- 8 Howe, Norman David, B.A.
- 1 Hudson, John Richard Gibson.
- 9 Huston, Charles Wm. Archibald, B.A.
- 2 Ince, Edward Lindsay, B.A.
- 3 Irwin, Joseph Boyd, B.A.
- 4 Kelly, Augustine Patrick, B.A.
- 5 Kelly, David Herbert, B.A.
- 7 Kirker, James Alastair, B.A.
- 6 Latham, Donald Victor, B.A.
- 1 Littledale, Cyril Richard Evelyn, B.A.
- 5 Litton-Cary, Falkland, B.A.
- 9 MacCarthy, Charles Thomas.
- 7 M'Clean, Fredk. Wm., B.A.
- 9 M'Cormick, Francis Harpur, B.A.

*Junior Bachelors (contd.).*

- 1 M'Cormick, John Eric.
- 10 M'Cormick, Victor Ormsby, B.A.
- 4 M'Kiernan, Thomas Hugh Robinson, B.A.
- 3 M'Quade, Cecil Emrys, B.A.
- 3 Maguire, Robert Augustine.
- 1 Maitland, Walter.
- 13 Martin, William Robert, B.A.
- 1 Meade, Mayo Francis, B.A.
- 8 Milmo, Dermod Hubert Francis.
- 4 Minch, William, B.A.
- 10 Minchin, Robert Beman, B.A.
- 1 Mollan, Robert Augustine, B.A.
- 2 Moore, David Lucius Henry.
- 3 Moore, Edward Dawson, B.A.
- 6 Moran, John William.
- 5 Morris, Ernest William, B.A.
- 6 Newland, Cecil Dunbar.
- 2 Orr, Thomas Alfred Hazlett, B.A.
- 6 Parker, Wilfred Henry Theodore.
- 9 Parkes, Fitzwilliam Cecil, B.A.
- 13 Phillips, Albert Edward, B.A.
- 5 Powell, Mary Josephine.
- 13 Price, William Robert.
- 7 Purcell, Noël Mary Joseph, B.A.
- 2 Radloff, Theodor, B.A.
- 5 Ruby, James Henry.
- 4 Sargent, Alma Kingsley.
- 1 Saunders, George Francis Thomas, B.A.
- 1 Sharpe, William M'Cormick, B.A.
- 1 Sheppard, John Farnsworth, B.A.
- 5 Shortt, Cecil de Lisle.
- 13 Smith, Ralph Henry Tottenham.
- 3 Sparling, John William.
- 4 Stevens, William Pearson, B.A.
- 3 Stewart, John Frederick.
- 9 Strong, Herbert William, B.A.
- 2 Sullivan, William John, B.A.
- 2 Swanton, Austen, B.A.

*Junior Bachelors (contd.).*

- 8 Taylor, James Benjamin.
- 4 Thompson, Lionel Wellesley.
- 1 Walker, Hubert Lawrence, B.A.
- 1 Walker, Maurice Cecil, B.A.
- 5 Walpole, George Frederick, B.A.
- 1 Ward, Henry Rowlands, B.A.
- 3 Waters, George Frederick, B.A.
- 1 White, Randal Merrick.
- 3 Wilkinson, Harold Howard, B.A.
- 8 Wilson, Logie Weir, B.A.
- 3 Woodburn, David Barkley, B.A.
- 13 Wright, Robert Lancelot Gerrard, B.A.

*Senior Sophisters.*

(35 women + 167 men = 202.)

- 6 Alesbury, Edith Ellen.
- 11 Athey, Rowland.
- 10 Atkinson, John Noel.
- 10 Aykroyd, Phyllis.
- 1 Baker, Robert Ruckley.
- 13 Bennet, John Leslie.
- 1 Bewglass, James Harper.
- 1 Bluett, Augustus Sterling.
- 6 Bluett, Douglas.
- 10 Bourke, Robert Gascoyne.
- 1 Bradlaw, Albert Stanley.
- 1 Bradshaw, Charlotte Mary.
- 1 Brady, Hugh Redmond.
- 3 Brennan, John Carson.
- 1 Bridge, Allman Vizer.
- 7 Buckingham, Margaret Inglis.
- 3 Burt, Charlotte Alida.
- 3 Burt, Elinor Norah.
- 8 Butler, Robert William.
- 2 Cairnduff, Euphemia.
- 9 Cairns, Alexander.
- 4 Callaghan, Robert William.
- 7 Callan, Thomas Raymond Tyrrell.
- 3 Callanan, Wm. Edward.
- 2 Campbell, David.



*Senior Sophisters (contd.).*

- 10 Carroll, Frederick Albert.
- 7 *Cockle, Beryl Frances Emily.*
- 8 Condon, John Patrick.
- 3 Copes, William.
- 1 Craig, John Russell.
- 1 Crawford, William.
- 3 Crockett, John Scott.
- 8 D'Arcy, Francis Bertram.
- 8 Dawson, William James Eric.
- 7 Dench, Reginald Arthur.
- 4 Dillon-Leetch, John.
- 4 *Dillon-Leetch, Margaret.*
- 11 Dixon, Ernest George.
- 3 *Dorman, Dorothy Charlotte Hobart.*
- 1 *Douzer, Bertha.*
- 9 du Cros, Cyril.
- 10 Duffey, Hugh.
- 1 du Plessis, Pieter Coetzee.
- 9 Dijkman, Cornelis Derkan.
- 10 Easby, Frederick Thomas.
- 1 Edwards, Geoffrey Dixon.
- 6 *Fair, Olive Victoria.*
- 1 Farley, William John.
- 2 Fitzpatrick, Richard William.
- 8 Fitzsimmons, William Moore.
- 7 *Flavelle, Ruth Florence.*
- 6 *Flynn, Norah Sara Jane.*
- 4 Foster, Albert Victor.
- 10 Freeburne, Albert Edward.
- 7 Gillespie, Joseph Cecil.
- 12 Gleeson, Daniel Joseph.
- 3 Grant, Charles William.
- 8 Green, Reginald Stuart Alexander.
- 2 Grime, Allan Godfrey.
- 6 Guise-Brown, Gerald Edwd.
- 3 Hadden, Hans.
- 5 Hall, Herbert.
- 5 Hall, James Beatty.
- 1 Hamel-Smith, Lionel Frederick.
- 4 Hamilton, Basil Long.
- 5 Hammond, Richard Frederick.
- 3 Hanna, William John.
- 9 Hanretté, Wilfred Edmund.
- 13 *Harte, Eveline Mary.*
- 13 *Harte, Jane Elizabeth.*
- 10 Hayden, Denis Henry Gryffydd.
- 12 Head, Alfred Joseph.

*Senior Sophisters (contd.).*

- 2 Heatley, Robert Arthur.
- 8 Herzenberg, Leo.
- 5 Hill, Rupert Leo.
- 2 Hilliard, Francis Maybury.
- 8 Hillis, Chas. Rexter.
- 1 Holmes, William Edward.
- 9 Horgan, Eric Sealy.
- 1 Humpherson, Sydney Frederick.
- 1 Hunter, William Adams.
- 2 *Irwin, Florine Isabel.*
- 7 Jakkovitz, Philip.
- 10 Johnson, Lionel Stewart.
- 3 Johnston, Samuel George.
- 1 Johnston, Terence Greer.
- 8 Johnston, Thomas Ernest.
- 1 Johnston, William Walker Cuthbert.
- 8 Kaplan, Max William.
- 3 Kavanagh, Desmond M'Murrough.
- 3 Kenny, George Gordon.
- 1 Kirker, Gilbert.
- 12 Laing, John Joseph.
- 13 *Landey, Dorothy Aileen.*
- 7 *Lane-Joynt, Olive.*
- 5 Lang, Richard.
- 3 Lawther, James Murphy.
- 6 *Lemon, Ruth.*
- 3 *Lindsay, Gladys Ann.*
- 5 Lloyd-Blood, Lancelot Ivan Neptune.
- 3 *Logan, May.*
- 3 Lyndsay, David Victor.
- 2 M'Auliffe, Noël Goodisson.
- 3 M'Bride, Robert Gardiner.
- 7 M'Cabe, Walter.
- 7 M'Connell, Alfred.
- 7 MacDonald, James Andrew.
- 2 M'Greevy, Thomas.
- 7 M'Kenna, Francis Hector.
- 7 Mackey, Cornelius Anthony.
- 9 M'Manaway, James Godfrey.
- 2 *M'Meehin, Audrey Moyra.*
- 9 M'Phail, Gordon Stuart.
- 3 Madden, John Eusebius.
- 1 Maguire, William Henderson.
- 3 Malone-Barrett, Francis.
- 3 May, Thomas William.
- 3 Maule, William Grant.
- 5 Medcalf, Norman Hall.

*Senior Sophisters (contd.).*

- 5 Methven, Colin Thomas.
- 10 Milligan, George.
- 4 *Moore, Dora Lois.*
- 5 *Moore, Violet Mabel Knox.*
- 1 Moran, George Septimus.
- 5 Moran, Thomas Whitley.
- 10 *Morphy, Edith Armored.*
- 1 Moshul, Bernard.
- 9 Mounsey, John Milburn.
- 6 Murphy, Cyril James  
Ussher.
- 6 Murphy, Henry James  
Leopold.
- 7 Murphy, William Allen.
- 2 *Muspratt, Eileen Dorothy  
Frances.*
- 10 Mustoe, Nelson Edwin.
- 5 Myers, Isodore Phineas.
- 4 Neligan, Maurice Victor.
- 3 Nelson, William John.
- 9 Norris, Crawford.
- 11 *Norris, Nannette.*
- 9 Noyes, Edwin Brownrigg.
- 7 Nunan, William Alexander.
- 1 *Odum, Muriel Vere.*
- 1 Orr, John Ebenezer.
- 4 Parker, Cyril Brien Denis.
- 4 Perdue, Ernest Lewis.
- 5 Perrott, Robert Nelson.
- 10 Pollitt, Alfred.
- 9 Pope, Richard Alexander  
Dennistoun.
- 2 Powell, Edward Hawkshaw.
- 6 *Powell, Mary Eveleen.*
- 2 Pritchard, Thomas Hobart.
- 3 Richardson, Cecil Arthur.
- 10 Robinson, William.
- 12 Ross, Harold Æmilius.
- 3 Russell, Albert Victor John.
- 8 Ryan, Patrick.
- 13 Saayman, Donald Harvey.
- 1 Scott, Charles Edward.
- 4 Sharkie, Joseph Henry  
Faussett.
- 7 Sleith, Harley Lisle.
- 8 Smith, Philip Norbert.
- 8 Smith, Robert.
- 1 Smith, William Harden.
- 3 Smyth, Henry James.
- 7 Smyth, Herbert.

*Senior Sophisters (contd.).*

- 3 Soady, Francis Benney.
- 7 *Stevenson, Emily Helena.*
- 8 Steen, Alfred William.
- 10 Synnott, Frederick William.
- 2 Taylor, Edward.
- 7 Thompson, Ernest St. Clair.
- 3 Thompson, John Knox  
Stafford.
- 1 Thompson, John Douglas.
- 6 *Tichborne, Theodora Olivia.*
- 7 Tipping, Nathaniel Drew.
- 8 Todd, Alfred Henry  
Norman.
- 4 Trayer, Benjamin Larger.
- 5 Tyndall, Eustace John.
- 2 Villet, Charles Theodore de  
Mornêt.
- 3 Walker, Arthur George.
- 1 Walker, Francis William.
- 1 Wallace, Caleb Paul.
- 10 Wallace, Patrick.
- 7 Ward, Anthony Divir.
- 3 Ward, Richard Percyvale.
- 3 Warham, Thomas Gerald.
- 9 Watson, Hugh M'Murray.
- 1 *Webb, Mary Louisa.*
- 13 Westmore, William Nevitt.
- 10 Westropp, Hugh Thomas  
George.
- 8 Wheatley, Richard Elliott  
Parke.
- 10 Wheeler, George Bonnef-  
forde.
- 10 Whitby, Jonathan Montagu  
Ferdinand.
- 1 White, Warburton Edward.
- 1 Williams, James Valentine.
- 1 Williams, Norman Ernest  
Hamilton Powell.
- 11 Williams, Thomas Herbert.
- 6 *Williamson, Wilhelmina.*
- 2 Wilson, Dominick Patrick  
Sarsfield.
- 1 Wilson, Leslie.
- 10 *Wilson, Maria.*
- 5 Worthington-Eyre, Hedges  
Eyre.
- 3 Wray, Herbert Hans.

## Junior Sophisters.

(39 women + 233 men = 272.)

- 2 Agranat, Abraham.
- 3 Anderson, John.
- 1 Anderson, Richard William Eric.
- 7 Ardill, George Herbert.
- 8 Barrett, Reginald James.
- 6 Beatty, William.
- 6 Beresford, Harold Douglas.
- 1 Best, Francis Olphert.
- 3 Best, James Cecil Corbett.
- 7 Bewley, Maurice.
- 8 *Bingham, Dorothea.*
- 11 Bingham, Edward William.
- 6 Bird, George Armitage.
- 8 Bird, Harold Theodore.
- 3 Blackall, George.
- 7 Bowie, Edgar Ormond.
- 3 Boyd, Patrick Gardner.
- 9 Brabham, Frederick William Schofield.
- 7 Bradshaw, Eric Jean.
- 2 Bramall, John.
- 12 Brentnall, Leslie Charles.
- 3 Brolly, James.
- 4 Browne, Herbert Macaulay.
- 4 Browne, Robert Steele.
- 10 Bruce, Harold Easton.
- 8 Burgess, Richard Llewellyn.
- 8 Butler, Walter Anthony.
- 8 Cairnduff, Andrew.
- 2 Callaghan, Thomas Edmonds.
- 1 Campbell, Evan Lockhart.
- 6 Carroll, John Vincent.
- 7 Carson, Robert George.
- 10 Charters, Robert James.
- 11 *Chenevix-Trench, Margaret Isabell.*
- 1 Cherry, Richard Theodor.
- 12 Clancy, Aubrey John Joseph.
- 4 Clarke, Harold Watson.
- 3 Classon, Eric.
- 5 *Classon, Norah Charlotte May.*
- 7 Collins, Desmond Joseph.
- 12 Collins, John Victor.
- 4 Coolican, Michael Raphael.
- 3 *Cooper, Arabella.*
- 3 Cornick, Isaac.
- 8 Costello, Charles Fleming.
- 8 Cowan, Margaret Lucretia.

## Junior Sophisters (contd.).

- 1 Crawford Francis Charles Boyd Lindsay Brown.
- 5 Crawford, Richard Ronald Dawson.
- 5 Crofton, Patrick George.
- 5 Dagg, Thomas William.
- 8 Dale, Henry William Loftus.
- 12 Davidson, Samuel.
- 7 Davis, James Seymour.
- 4 *Deane, Annie Teresa.*
- 2 De Bruyn, Theunis.
- 2 de Villiers, Izak Frederik Albertus.
- 10 Devlin, Charles Joseph.
- 12 Devlin, David.
- 12 Dickson, William Arthur.
- 3 Dickson, William Sydney.
- 4 *Dillon-Leetch, Mary.*
- 7 *Dockrell, Alice Evelyn.*
- 10 Douglas, Hugh Lawford.
- 3 *Douglas, Mary Kathleen.*
- 7 *Downing, Alice Mary Angela.*
- 12 Drotske, Allen Erasmus.
- 10 Dudgeon, Edward Caulfield.
- 3 Duff, Archibald.
- 1 Duff, Arthur Knox.
- 7 Duke, Francis Vincent.
- 9 Duncan, Alan George Douglas.
- 5 Du Plessis, Charles Johannes.
- 3 Eliassoff, Martin Helmer.
- 2 Elion, Max.
- 3 Evans, Charles Leonard.
- 9 Evans, Samuel Stewart.
- 3 Falkiner, Ninian M'Intire.
- 3 Falvey, Dermot Francis Judge.
- 9 Faulkner, Robert Hogg.
- 10 Ferraro, Francis William.
- 13 Folliott, Charles Henry.
- 9 Flewett, Robert King.
- 6 Fouché, Petrus Hendrik Stephanus.
- 7 Gallivan, Michael.
- 5 Gamble, George Sidney.
- 3 Gardner, Alexander.
- 10 Gardner, Hubert Edward.
- 12 Gets, Charles Gerard.
- 7 Gibbons, Frank.
- 7 Gileriest, John.
- 3 *Gileriest, Norah Mary.*

*Junior Sophisters (contd.).*

- 11 Glasgow, William Robert Black.
- 7 Goodbody, Philip Marcus.
- 3 *Grant, Florence Helen.*
- 1 Greeves, Norman Mellor.
- 12 Gregory, Joseph Richard.
- 10 *Griffin, Annie Elizabeth.*
- 7 Griffith, Benjamin Cobbe.
- 9 Griffiths, Richard Cecil Lewis.
- 2 Haig, Ernest.
- 9 Hall, William.
- 5 Halpin, John Ralph.
- 7 *Harcourt, Mary Helen.*
- 7 Harding, William Humphry.
- 5 Harkness, William Frederick Samuel.
- 9 Harman, Samuel Thomas Sarsfield.
- 3 Harper, James.
- 8 Harris, Louis.
- 8 Haskins, Launcelot William Roe.
- 8 Hawthorne, Alexander.
- 4 Hay, Robert Stevenson.
- 10 Hegy, Reginald.
- 10 Henderson, Alexander Victor Simpson.
- 2 Hevyll-Rafter, Robert.
- 8 Heyman, Lazarus.
- 7 Higginbotham, William Harold Spencer.
- 7 *Hill, Kathleen Edna.*
- 3 *Hirsch, Mary Rickards.*
- 10 Hofman, Jacob.
- 6 Holtsbaum, Francis Peyton.
- 3 Hopking, Henry Richard.
- 13 Howe, Percy Harold.
- 2 Hugo, Daniel.
- 1 Hurst, Alfred Thomas.
- 3 Hutton, Eric.
- 7 Irvine, Gilbert Marshall.
- 3 Jackson, Robert Tennant.
- 2 Jefferson, Herbert.
- 8 Johnston, Arthur William.
- 2 Jones, Cecil Vernon Hope.
- 2 *Jones, Emma Kathleen.*
- 12 Joyce, Thomas Michael.
- 1 Kane, Alexander Baily Akbar.
- 2 Keely, Rooney Edward.
- 4 Kenny, Victor Thomas.
- 2 Kevin, Charles Kilronan.

*Junior Sophisters (contd.).*

- 5 King, Charles Hume.
- 8 Kirke, Merle Haddis.
- 11 Krige, Hendrik Nicolas.
- 2 Kruger, Julius.
- 4 Landan, Ernest Myer.
- 8 Lavelle, Alexander Bannerman.
- 3 *Lawler, Bertha Harriet.*
- 1 Leared, Denald Ivon.
- 5 Lee, Alfred Tennyson.
- 4 Leonard, Thomas Richard.
- 6 *Leslie, Kathleen Margaret Bulfin.*
- 1 Lindsay, Andrew Watson.
- 3 Little, Frederick.
- 13 Loftus, Ernest Achey.
- 8 Lohan, Mary.
- 10 *Longfield, Ada Kathleen.*
- 3 *Longmore, Thomasina.*
- 12 Louw, Matthys Petrus.
- 13 Loveridge, Claude Warren.
- 4 Lyall, Robert Edwin.
- 12 Lynas, Samuel.
- 3 Lyons, Robert Biggart.
- 8 M'Caldin, Cecil William Roberts.
- 9 M'Cann, James.
- 9 MacCarthy, George Payton.
- 8 M'Clure, William James.
- 2 M'Combe, Arthur Hill.
- 8 M'Crea, William Baker Edward.
- 3 M'Curdy, Andrew.
- 5 *MacDermott, Hilda.*
- 6 M'Entee, John Charles Joseph.
- 7 M'Kegny, Edgar Watt.
- 2 M'Kenny, Howard St. George.
- 6 MacKenzie, Kenneth Fitzgerald.
- 8 MacKenzie, Rubin Scott.
- 3 *M'Laughlin, Agnes.*
- 3 *MacLaughlin, Mary Kathleen.*
- 7 M'Manus, Diarmid Arthur.
- 3 M'Mullen, David Hamilton.
- 5 Macrory, Robert Rotheram.
- 11 Maguire, John George.
- 12 Malan, David John.
- 11 Malcomson, James.
- 2 Malone, Anthony.



*Junior Sophisters (contd.).*

- 3 Mann, Alfred Weller Mussen Stanley.
- 12 Markey, Reginald John.
- 5 Martin, Francis Cyril.
- 7 Martin, Henry Meredith.
- 1 Martin, Leslie Wallace.
- 8 Mein, Charles Benjamin.
- 7 Millar, Richard Gerald.
- 9 Miller, Joseph Samuel.
- 7 Molony, Hugh Francis.
- 9 Moore, Frank.
- 3 Moorhead, Robert James.
- 4 Monks, Anthony Benedict.
- 11 Morrison, Frederick William.
- 6 Murdock, Frederick Victor.
- 5 Nesbitt, Francis Albert Slade.
- 3 Nimmons, Joseph.
- 4 O'Connor, Joseph Michael.
- 8 O'Donel, William James.
- 8 O'Donnell, Albert Edward.
- 10 O'Hara, Leo.
- 6 *Olphert, Mary Richmal.*
- 1 Oram, Frederick St. John.
- 13 O'Sullivan-Beare, Donal Barry.
- 7 O'Sullivan, William Bradley.
- 10 Ovendale, Cecil Arthur Victor.
- 11 Ovendale, Charles Eustace.
- 2 Owens, Ruben Hirst.
- 1 *Park, Mary Florence.*
- 10 Parker, Geoffrey Owen.
- 7 Passau, John.
- 3 Patton, William Francis.
- 4 Phillips, John Skelton.
- 8 Phillips, Laurence.
- 5 Pigot, David Richard.
- 7 *Pigott, Lucy Elizabeth Rainsford.*
- 5 Plummer, John Orme.
- 3 Powell, Michael Gerard John.
- 6 Powell, Walter Baldwin Eyre.
- 6 Praia, Duarte.
- 1 Preston, George Elystan.
- 4 Quinn, John Peter.
- 1 Rainsford, Seymour Grome.
- 6 Rauch, Jan Hendrik.
- 1 Reid, Charles John.
- 6 Renton, Harold.
- 3 *Riddall, Eva Isabel.*

*Junior Sophisters (contd.).*

- 5 Robinson, Arthur Herbert.
- 7 Robinson, Robert Crawford.
- 8 Robinson, Victor.
- 8 *Roe, Helen Maybury.*
- 8 Rollins, Herbert.
- 1 *Ronaldson, Jenny.*
- 4 Ronan, Stephen George.
- 1 Russell, John Gerald.
- 11 Russell, Joseph George.
- 2 Sacks, Izak George.
- 8 Sayers, Joseph.
- 8 Sayers, Max.
- 1 Scott, Samuel Russell.
- 4 Seale, Richard.
- 3 Seymour, Frederic Wilfred.
- 2 Shaw, Jack Cecil Middleton.
- 1 Shirley, Paul.
- 9 Smith, Frederick William Gordon.
- 2 *Smith, Norah Mary.*
- 3 Smith, William Grant.
- 3 *Speedy, Isabella Hogg.*
- 5 Stals, John Hendrik.
- 6 Stazunsky, Leopold.
- 1 *Stokes, Isabel Barbara Susan.*
- 9 Stewart, Alan Darnley.
- 7 *Stuart, Charlotte Annie.*
- 12 Sullivan, Anthony Joseph.
- 1 Switzer, Kenneth Walker.
- 3 *Thompson, Kathleen Redfern.*
- 5 Trimble, Ailwyn Egerton Copeland.
- 7 Tuke, John Henry Burland.
- 1 Van der Merwe, Philip Paul.
- 1 Varian, Ralph Werge.
- 12 Viljoen, Mauritius Meiring.
- 1 Villiers, Arthur William Crips.
- 2 Vereueil, Leon Olivier.
- 1 Walker, Henry James.
- 2 Wallis, Timothy Charles.
- 11 Ward, Egerton John.
- 8 Warner, Joseph Alfred.
- 1 Watson, John Lysander Albert.
- 3 *Weatherill, Gladys.*
- 1 Weldon, Samuel Gerald.
- 5 Whaley, William Frederick.
- 6 *Wigoder, Sylvia Beatrice.*
- 6 *Wilkinson, Winifred Norah.*

*Junior Sophisters (contd.).*

- 3 *Wilson, Mabel Kathleen Annie.*
- 9 *Wilson, Mark.*
- 3 *Wilson, Victoria Jane.*
- 8 *Wood, Albert Victor.*
- 6 *Woodall, Frederick George.*
- 3 *Woodburn, Elizabeth.*
- 8 *Woods, John Harold Moore.*
- 9 *Wright, James Wilson.*
- 1 *Wright, Ruthven Alexander-son.*
- 3 *Wynne, Wilfred Edward.*
- 3 *Young, Augusta Maud.*

**PENSIONERS.****Senior Freshmen.**

(69 women + 238 men = 307.)

- 3 *Abernethy, Norah.*
- 11 *Alper, Minnie.*
- 6 *Allen, William Arthur.*
- 12 *Anderson, Wilfred Harpur.*
- 10 *Asherson, Asher.*
- 1 *Bailey, Frances Ethel.*
- 8 *Barrett, Ernest Albert.*
- 4 *Beggs, Samuel.*
- 10 *Bernstein, Alexander.*
- 11 *Bingham, Samuel Ernest.*
- 10 *Black, Irene.*
- 11 *Blackwell, Joseph.*
- 5 *Blair-White, Cyril Walter.*
- 7 *Booth, John James.*
- 6 *Bowesman, Gerald William Johnston.*
- 1 *Boyd, Donald Wm. Parker.*
- 8 *Boyd, Eileen Agnes.*
- 3 *Boyle, James Caird Carson.*
- 6 *Bradlaw, Mark Joseph.*
- 6 *Brady, Albert James Stephens.*
- 5 *Brandt, Reginald John.*
- 7 *Brangan, Eileen.*
- 3 *Brittain, Mabel Elizabeth.*
- 7 *Brooks, Lilian May.*

*Senior Freshmen (contd.).*

- 5 *Brown, Frederick George.*
- 8 *Burke-Gaffney, Henry O'Donnell.*
- 11 *Byrne, John Joseph.*
- 4 *Byrne, Joseph Connell.*
- 3 *Calderwood, James William.*
- 2 *Calvert, George William.*
- 2 *Campbell, Harold Ernest.*
- 5 *Carolin, Grace Frances.*
- 5 *Chambers, John Desmond.*
- 3 *Cleave, Henry Derrant.*
- 13 *Cochrane, William Lyons.*
- 5 *Coetzee, Louis Johannes.*
- 5 *Coleman, Samuel.*
- 10 *Condy, Charles William Henry.*
- 3 *Conway, Margaret Aileen.*
- 11 *Copeland, Ely Goodman.*
- 3 *Coulter, Geoffrey Hugh Matthew.*
- 8 *Craig, James.*
- 2 *Crampton, George Hugh Cecil.*
- 5 *Crawford, Edward Sydney Atkinson.*
- 3 *Crawford, Sara Eveline.*
- 5 *Crooks, John Ramsay.*
- 4 *Crowley, Arthur.*
- 11 *Cussen, John.*
- 7 *Dagge, James Tennent.*
- 5 *Daly, Michael Bernard.*
- 6 *Darragh, Herbert John Cecil.*
- 6 *Deale, James Edward.*
- 3 *Dickie, Robert Kelso.*
- 5 *Dilworth, Claude Stanley.*
- 6 *Disney, Marion Longridge.*
- 12 *Diver, Walter Stewart.*
- 3 *Dixon, Henry Rowland.*
- 1 *Dixon, Patrick Kerr.*
- 8 *Dixon, William Samuel.*
- 8 *Downer, Eric Christopher.*
- 1 *Dromgoole, Alice Mary Elizabeth.*
- 4 *Dunn, Christopher Francis.*
- 2 *Du Toit, Jan Andries.*
- 10 *Egerton, Thomas Henry.*
- 2 *Eksteen, Albert Wynard.*
- 6 *Ejlerker, Henry Graham.*
- 5 *Ellis, Alexander Reuben.*
- 4 *Evans, David Cynfarwy.*

*Senior Freshmen (contd.).*

- 5 Eyre, John Moore.
- 3 Fayle, Benjamin William Day.
- 6 *Fenton, Norah Edith.*
- 9 Fisher, Robert Lucius Carey.
- 5 Fletcher, Gilbert Maxwell.
- 8 Foster, John Edward.
- 9 Fox, Maurice Digby.
- 2 Freedman, Tobias.
- 10 Freeman, John Horace.
- 10 Freeman, John William.
- 2 Freeman, Leonard.
- 12 French, Samuel Allen.
- 8 Fullam, William John.
- 11 *Fulton, Janz.*
- 6 Gabbé, Siegfried Donald.
- 4 Gallagher, William Richard Garringe.
- 9 Garde, Geoffrey Walter.
- 11 Gaston, Hugh.
- 1 Gaynor, Joseph Alfred.
- 10 Geffen, Samuel Michael.
- 6 *Gelston, Ellen Mona.*
- 6 Gerrard, Maynard Atkinson.
- 2 Gibson, George Francis.
- 11 Gillespie, George Fitzroy.
- 3 *Gillespie, Irene.*
- 4 Gilmour, Oswald Wellington.
- 8 Glanville, Robert Ranulf.
- 7 Glasgow, John Stanton.
- 6 Gluck, Bernard.
- 7 *Gluckman, Cecilia Reva.*
- 8 Golding, Jacob Joseph.
- 11 Gordon, Charles.
- 10 Gordon, Jack Moir.
- 2 Gray, Arthur Richardson.
- 7 Griffin, Robert Leake.
- 6 Grobler, Paul Johannes.
- 2 Hafner, Etienne Rodolphe.
- 12 Haitowitz, Joseph.
- 7 Hall, Frederick Martin.
- 7 *Hamilton, Sara Elizabeth.*
- 7 *Hanna, Matilda Olivia.*
- 4 Hanna, John Ridgway.
- 9 Harbord, Ralph Cecil Victor.
- 11 *Harcourt, Elizabeth.*
- 1 *Hardy, Mary Enid.*
- 1 Harris, Alexander Jan.
- 7 Harte, Campbell M'Pherson.
- 3 Harte, Robert William.
- 6 Hazley, John Bradley.

*Senior Freshmen (contd.).*

- 5 Heard, Kenneth Wingfield.
- 12 Heaslip, John Ganly.
- 3 Henry, Robert Francis Jack.
- 8 Hill, Alexander George Glendon.
- 11 *Hinchy, Violet May.*
- 2 Hodgman, Jan Hendrik.
- 8 Hogan, William Thomas.
- 9 Hopkins, William Edmund.
- 12 Hopkins, William Joseph.
- 12 Horwich, Jerreth.
- 3 Houston, James.
- 8 *Howe, Esther Clare Louise.*
- 3 Huggett, Edward Dunstan.
- 1 Hugo, Hans Jacob.
- 6 Hutton, Geoffrey Frank.
- 1 Ingham, Charles William Joseph.
- 5 Isaacson, Henry.
- 8 Isaacson, Isaac Jack.
- 7 Jackson, Cyril Ashworth Lyndon.
- 13 Jaffe, Mossy.
- 3 Johnson, Albert Mordecai
- 1 *Johnson, Victoria Maud Mary.*
- 9 Johnston, John Moore.
- 9 *Joly, Lucy Mary.*
- 7 Judge, Robert.
- 1 Kahn, Robert.
- 7 Kalmanson, John.
- 5 *Kelly, Agnes Leeper.*
- 2 Kent, Richard Roberts.
- 4 *Keogh, Mildred Mary Gladys Doyne.*
- 9 Kirk, William Maxwell.
- 1 Knox, Thomas Oliver.
- 2 Kohlberg, Herbert.
- 5 Labuschagne, Paul Nicolaas Harm.
- 4 Lamb, Norman Willie.
- 3 Large, Lionel Derrick.
- 8 Law, Cecil Ernest David.
- 1 *Laulor, Beatrice Kathleen.*
- 10 *Leahy, Kathleen Elizabeth.*
- 12 Lee, Alfred Edward.
- 10 Leonard, John Andrew.
- 8 Lenihan, Michael.
- 6 *Leslie, Mary Isabel.*
- 7 *Levingston, Nora Elsie.*
- 12 Levitt, Jack Abraham.

*Senior Freshmen (contd.).*

- 11 Levitt, Lionel Samuel.
- 1 Lewin, Harold.
- 2 Lipschitz, Reuben.
- 5 Logan, Norman.
- 1 Lowry, Hubert Steen Kilray.
- 1 Lyons, Desmond Kenny.
- 8 M'Alpine, Edward.
- 6 M'Caig, Albert Edward.
- 1 M'Caughey, William.
- 11 M'Cauley, James Ewart.
- 8 M'Clure, Charles Archibald.
- 8 McCullagh, William Lennox.
- 4 MacDermot, Charles John.
- 12 McDonald, Christina.
- 1 MacDonogh, Ethel Mary Noël.
- 8 M'Dowell, David.
- 7 M'Elroy, Robert Samuel.
- 6 M'Keag, Robert Humphreys.
- 3 MacLaughlin, David Mackey.
- 8 M'Quillan, Cecil James.
- 3 Madden, Olive Mary.
- 3 Madill, Elizabeth Powell.
- 12 Maher, Matthias Aidan.
- 3 Malone, Eileen.
- 13 Malone, Francis Laurence Gerard.
- 3 Mann, George Frederick Greer.
- 4 Mannix, Austin Joseph.
- 2 Marais, Ivon.
- 10 Marin, Israel.
- 8 Marks, William Frederick Waters.
- 4 Marshall, James Lister.
- 3 Martin, Thomas James.
- 10 Martin, William George.
- 4 Mather, John Arthur.
- 2 Maunsell, Richard Lucius Dixie.
- 2 Mellett, Edmund.
- 1 Micks, Edward Christopher.
- 11 Miller, Lucy Evelyn.
- 2 Mills, James Leonard Broughton.
- 3 Milne, Elizabeth.
- 7 Milne, John Desmond Beresford.
- 3 Mitchell, Frederick Julian.
- 3 Molesworth, Arthur William Bysse Nepean.
- 10 Mollan, Charles John Gabriel.

*Senior Freshmen (contd.).*

- 10 Mooney, Evaline Elizabeth.
- 7 Moore, Robert Joseph.
- 3 Moore, Thomas George.
- 7 Moore, Thomas Ernest Ottiwell.
- 2 Morgan, Austin Arthur.
- 1 Morris, Bernard.
- 11 Morrison, Percy Barnes.
- 7 Mulhern, Maureen Claire.
- 11 Murison, Kathleen Duffers.
- 7 Murphy, Dorothy Elizabeth.
- 4 Narunsky, Solomon.
- 3 Noble, Eileen.
- 6 O'Callaghan, Mary Louise.
- 5 O'Connor, Finton Michael.
- 9 O'Connor, Michael Anthony.
- 4 O'Donnell, Albert Edward.
- 10 O'Kane, Patricia.
- 3 O'Meara, Francis Joseph.
- 3 O'Neill, Margaret.
- 8 Osborne, Isabel.
- 9 Packard, Denzil Edward.
- 1 Palmer, Alfred Kingsmill.
- 7 Pentony, Edward Joseph.
- 2 Perrem, Frederick Channon.
- 4 Piel, Paul Douglas.
- 12 Pim, Richard Pike.
- 10 Porter, Rachel Elizabeth.
- 3 Powell, Gerald Alphonsus Aloysius.
- 4 Prost, Arthur Greiveldinger.
- 9 Puxley, Henry Waller Lavallin.
- 9 Rankin, George Douglas.
- 10 Rice, Bernard Alexander.
- 8 Rice, Ina Castelpane.
- 10 Roseman, Hyman Solomon.
- 10 Samolsky, Percy.
- 8 Sayers, Louis Philip.
- 5 Scales, Eric Wilfrid.
- 7 Schwartzberg, Maurice.
- 4 Scott, Jeanie Morrison.
- 9 Scott, William Sidney.
- 10 Shanks, Alexandra May.
- 3 Sharpe, Andrina Alexandrina Boyd.
- 3 Sharpe, Jeannie.
- 2 Sheehan, Bernard Geoffrey.
- 4 Shortt, John Stanford.
- 3 Sillery, Iris Eldina.
- 3 Simpson, Kathleen.



*Senior Freshmen (contd.).*

- 3 Sloan, Gerrard Andrew.
- 9 Smith, Henry St. George.
- 1 *Smith, Isobel Gillespie.*
- 8 Smyth, John Herbert.
- 3 *Smyth, Mary Margaret.*
- 11 Somerville-Large, Philip Townsend.
- 1 Speedy, William Dinwoodie.
- 3 *Spence, Annette Irene Greer.*
- 7 *Spielman, Ivy Valerie.*
- 11 Steele, John Leslie Fisher.
- 3 *Steen, Frances Evelyn.*
- 13 Steen, Thomas.
- 3 *Stirling, Annette Elizabeth.*
- 13 Strasburg, Israel.
- 7 Strong, Charles Eric.
- 7 Stuart, John Latimer.
- 1 Switzer, Ernest Vivian.
- 9 Tate, David Dederick.
- 11 Taylor, Charles Leo.
- 1 Taylor, William Sinclair Ritchie.
- 2 Ternan, Alfred William Maunsell.
- 1 *Thrift, Dorothy Maude.*
- 3 Tickell, Geoffrey Hill.
- 7 *Tipping, Rebecca Elizabeth.*
- 3 *Twiss, Martha Violet Blake.*
- 2 Van Druten, Nicolas Jan Valkenburg.
- 5 Van Heyningen, Cecil Gerardus Sophie.
- 5 Vellema, Douwe Marinus.
- 2 Vivier, Barend.
- 1 *Wagener, Maria Elizabeth.*
- 1 Wagner, Philip Fred Henry.
- 11 Wall, Thomas Raymond.
- 8 Wallace, John Barkley.
- 8 Walsh, Edmund Joseph.
- 11 *Watson, Kathleen Beatrice.*
- 6 Watson, Robert Parker.
- 8 Weir, John Ross Hastings.
- 3 Werner, Louis Joseph Emil.
- 9 West, Timothy.
- 3 Whitsitt, Leslie Montgomery.
- 5 Wicht, John Ditton.
- 8 Wigham, John.
- 5 Wigoder, Simon.
- 7 Williamson, Richard John.
- 5 Williams, Richard Patrick.
- 6 Williams, Robert George.

*Senior Freshmen (contd.).*

- 8 Wilson, Carmichael.
- 9 Wilson, Robert Noble Denison.
- 6 *Wilson, Ruth Elizabeth.*
- 1 Wilson, Thomas George.
- 4 Wood, Thomas Edward Swanton.
- 5 Woods, John Lowe.
- 10 *Wright, Kathleen Alexander-son.*
- 10 Wulfsohn, Max.

**Junior Freshmen.**

(56 women + 196 men = 252).

- 7 *Adams, Frances.*
- 9 Adderley, Reginald Campbell Stopford.
- 4 Addison, Albert.
- 1 *Addison, Jeanie Isabella.*
- 6 *Aldworth, Annie Eileen.*
- 3 Anderson, Cecil MacGeagh.
- 1 Anderson, Eric Lytton.
- 3 Archer, Ernest Thomas James.
- 13 *Armstrong, Henrietta.*
- 13 *Armstrong, Ruth Rose.*
- 10 Aykroyd, William Ruddell.
- 2 *Ball, Kathleen.*
- 12 Bamford, Gordon Paul.
- 6 Barton, Dunbar Patrick.
- 5 Barrett, Henry Baillie.
- 10 *Beattie, Annie Helena.*
- 6 Beaumont, William Victor.
- 6 *Beere, Thekla June.*
- 5 Boland, Carol Richard.
- 10 Bond, Francis Willoughby.
- 8 Bourne, Donald James.
- 12 Bowesman, Henry Noel.
- 8 Boyd, Samuel Reginald.
- 10 *Boyle, Gladys Maude.*
- 7 Brough, Lewis Cresswell.
- 2 Browne, O'Donel Thornley Dodwell.
- 7 Browne, Reginald Lindsay.
- 10 *Brunskill, Eileen Rhoda.*

*Junior Freshmen (contd.).*

- 3 Brunskill, Kivas Richardson.
- 7 Caddoo, James Douglas George.
- 12 Carson, Roy Knox.
- 5 Carter, Richard George Henry.
- 4 *Clarke, Evelyn Maud.*
- 8 Clinch, James Daniel.
- 2 *Cochrane, Florence Evelyn Maude.*
- 13 Collins, John Cornelius.
- 4 Coolican, Arthur Martin.
- 11 Cooper, Henry Patten.
- 10 *Cooper, Isobel Olga.*
- 6 *Coote, Amy Mildred Kildahl.*
- 13 Copithorne, Francis.
- 11 Cowan, George Abraham.
- 3 *Craig, Gladys Lillian.*
- 6 Craig-M'Feely, William Norman.
- 1 *Crawford, Angel Valentine Brown.*
- 2 Crawford, Thomas George Brown.
- 3 Cresswell, Harold Percival.
- 5 Cronin, Richard Thomas.
- 13 Cummins, David Patrick.
- 8 Cunningham, Robert Alfred.
- 12 Cusack, James Joseph.
- 11 Cussen, Denis John.
- 11 Cuthbert, Joseph.
- 13 Davies, John Laird.
- 13 Dearnaley, Walter James.
- 13 Delany, Cyril Joseph Augustine.
- 6 Dennard, Leslie David.
- 4 Dillon-Leetch, William.
- 5 *Donaldson, Edith Isabel.*
- 3 Duncan, William Linn.
- 1 *Dunn, Edith Norah Campbell.*
- 4 Eccles, Gerrard Macklin.
- 13 Ellis, Edward.
- 5 Evans, Robert Stuart.
- 3 *Fair, Aileen.*
- 8 Farrell, James Patrick.
- 13 Feeny, Gerard.
- 2 Ferguson, Henry Arnot.
- 7 Figgis, Robert Richmond.
- 7 Fitzgibbon, Gerald.
- 5 Fitzpatrick, Samuel Helen.
- 4 Fleming, Ian Torrens.

*Junior Freshmen (contd.).*

- 12 Franklin, Mark Augustus Patrick.
- 13 Franklin, Robert Vincent.
- 5 Gaffney, Niall Seumas.
- 3 Gill, Arthur Charles.
- 11 Girling, Ernest Frederick.
- 4 Grace, Raymond Eustace.
- 2 *Graham, Sara.*
- 6 Gray, Ian Bury.
- 11 Grogan, Muirceartach.
- 9 Griffin, Charles Whittaker.
- 11 Gurevich, Solomon.
- 1 Hallanan, Eric.
- 7 Hamilton, Gerald Henry.
- 4 Harris, Standish Alan.
- 12 Harwood, Andrew.
- 8 Haskins, John Begley.
- 10 *Healy, Eileen Mary.*
- 13 Henry, Robert Noel.
- 10 *Hewat, Elspeth Violet Duxbury.*
- 11 Higgins, Richard Burnett.
- 6 Hogan, Robert Simon.
- 13 Hooper, Arnold Walter Seville.
- 1 Hopkins, William Arthur.
- 12 *Hornsby, Hazel Marie.*
- 1 *Hudson, Sybil Naomi Victoria.*
- 2 Hutton, Wilfred Noel Maxwell.
- 12 Ievers, Robert Aloysius.
- 8 Irvine, Gerard Robert.
- 5 Irwin, Edward Vincent.
- 1 Jackes, William Edgar.
- 8 Jackson, Robert Victor.
- 9 Jenkins, Raymond Gordon Finney.
- 4 Johnston, John.
- 8 *Johnston, Margaret Louise.*
- 2 Johnston, Thomas James.
- 3 *Johnston, Violet.*
- 2 Johnston, William.
- 9 Jones, Henry Edgeworth Armstrong.
- 8 Joubert, Gideon Jacobus.
- 2 Joyce, Charles James.
- 12 Keatinge, Desmond La Couse.
- 6 Keeley, James Joseph.
- 1 *Kerr, Olive Gwen olen.*
- 12 Kidd, James Donald.
- 4 Kieran, Edward Austin.

*Junior Freshmen (contd.).*

- 6 Killingley, Arthur Victor Greratt.
- 7 King, Dorothy Shana.
- 9 King, Ivory Hammond Alexander.
- 9 Lamb, John William.
- 3 Lawrenson, Leslie Robert.
- 4 Leonard, John Aldworth.
- 10 Leonard, Simon Aloysius Benedict Francis.
- 3 *Livingstone, Mary Cecilia.*
- 6 *Lipsett, Kathleen Mildred.*
- 7 Long, John Samuel.
- 13 Luttrell, Norman Glanville.
- 6 M'Alister, James Daniel Beaton.
- 7 *MacBride, Anna Marjorie.*
- 5 M'Causland, Charles Edward.
- 12 MacDermot, John Hugh.
- 12 M'Donald, George.
- 9 M'Dowell, George Ronald.
- 9 M'Dowell, James Gillespie.
- 10 M'Farland, George Gibson.
- 9 M'Kane, Herbert John.
- 2 M'Kenna, Frederick Severne.
- 13 M'Kenna, James O'Neill.
- 2 *MacMahon, Helena.*
- 13 MacMahon, James Francis.
- 4 M'Mahon, William John Alexander.
- 5 MacTier, Hugh Stanley Carr.
- 13 Magowan, Samuel Edgar.
- 11 Maguire, William Joseph.
- 7 Matthews, Frederick Duncan.
- 11 Maxwell, William George Smith.
- 1 *Meade, Enid Kathleen Mary.*
- 1 Meares, Keith Munro.
- 5 Medcalf, Sidney Haighton.
- 4 Meldon, Charles Vivian.
- 8 Middleton, Samuel Henry Windrum.
- 8 *Miller, Mary Swan.*
- 8 Montgomery, Edward George.
- 3 Mooney, Alan Joseph.
- 2 Moore, Cecil Robert.
- 3 *Moore, Eileen Elsie.*
- 4 Moore, Geoffrey Arthur.
- 1 Morrogh, James Ruth M'Carthy.
- 1 Moss, Arthur Watson.

*Junior Freshmen (contd.).*

- 2 *Moss, Gladys Eveline.*
- 5 Murphy, Thomas Vincent.
- 6 Neligan, John Bourke.
- 6 Nevin, Harry Millar.
- 13 Nolan, Daniel.
- 2 O'Connor, Dermot John Patrick.
- 7 *O'Connor, Frances.*
- 5 Odbert, Arthur Noel Birchel.
- 8 O'Keefe, Richard Patrick.
- 1 *O'Neill, Catherine Mary.*
- 5 O'Reilly, Thomas James.
- 6 Ormsby-Scott, Richard Deane-Freeman.
- 6 Orr, Cecil Bruce.
- 10 Osborne, William Henry.
- 3 Panter, Noel Douglas.
- 3 *Paskins, Louisa Emily.*
- 10 Patrick, John Brian.
- 3 *Pedlow, Margaret Ethel.*
- 4 Perrot, Henry Stanislaus.
- 3 Pettigrew, John Simpson.
- 11 *Pigott, Jean Jessie Wellesley.*
- 9 Pim, Jonathan.
- 10 Porter, Thomas Henry.
- 10 Potts, William Charles Gorman.
- 3 *Powell, Kathleen.*
- 8 Power, David Norman.
- 6 Proctor, Richard Louis Gibbon.
- 6 Purcell, Frederick Michael.
- 4 Quin, Frank Spencer.
- 1 *Rainsford, Sheelah.*
- 5 Randel, Charles Seymour Patrick.
- 2 *Rankin, Grace Jessica.*
- 1 Redmond, William Alexander.
- 4 Reid, Thomas Bertram Wallace.
- 10 *Robb, Adelaide Maud.*
- 2 Robb, Wilfred Ewart.
- 3 Robinson, Archibald.
- 2 Robinson, George.
- 7 Robinson, Philip Bernard.
- 13 Roe, William Thomas.
- 8 *Ross, Kathleen Marjorie.*
- 3 Rudd, Eric Thomas Sutherland.
- 5 Russell, Alan Watson.
- 4 *Ryan, Margaret.*
- 4 Sainsbury, Richard Claude.

*Junior Freshmen (contd.).*

- 1 *Scott, Norah Alicia.*
- 12 *Scott, Norah Emily Carlton.*
- 11 *Seligman, Joseph.*
- 5 *Shackleton, John Gaily.*
- 13 *Shafik, Ahmed Ahmed.*
- 11 *Sherowitz, Maurice.*
- 10 *Simpson, Irwin Edward*  
*Paget.*
- 6 *Sless, Morris.*
- 3 *Sloan, George Berkeley.*
- 5 *Smith, John Fay.*
- 12 *Smith, Robert Moore.*
- 10 *Somerville-Large, William*  
*Collis.*
- 5 *Squires, Stanhope Sabine.*
- 5 *Stanistreet, Henry Arthun.*
- 6 *Stapleton, Edward Eric.*
- 1 *Steen, Robert Elsworth.*
- 11 *St. Clair, John.*
- 11 *Stewart, Douglas Samuel.*
- 1 *Stokes, John Everard.*
- 9 *Studdert, Augustine John*  
*de Clare.*
- 6 *Studdert, de Clare Hallam.*
- 3 *Studdert, Mary Frances.*
- 12 *Swanepoel, Pieter Frederik.*
- 10 *Thomas, Ella Sybil Valentine.*
- 3 *Thompson, Hugh Richard.*

*Junior Freshmen (contd.).*

- 3 *Thompson, Robert Gordon*  
*Ffolliott.*
- 5 *Townsend, George William*  
*Hughes.*
- 6 *Trant, Hope.*
- 3 *Tweedy, Richard Thomas*  
*Pilkington.*
- 13 *Tyndall, Charles John.*
- 8 *Waddell, Samuel Gilmore.*
- 9 *Wade, Thomas Gustavus*  
*Rochfort.*
- 8 *Walker, Cecil Raymond.*
- 4 *Walmsley, George Cecil.*
- 5 *Ward, Edward Davies.*
- 1 *Warwick, Dorothy Eileen.*
- 11 *Waters, Harry.*
- 3 *Wilde, Otto Gruber.*
- 8 *Wiley, Jeanie Alice Constance*  
*Thomasina.*
- 7 *Williams, Enid Victoria.*
- 7 *Willis, Frederick Roberts.*
- 1 *Wilson, Mabel Annie.*
- 11 *Wilson, Mary Kathleen.*
- 1 *Wilson, Charles Herbert.*
- 1 *Wolseley, Charles William.*
- 3 *Wood, William Stuart.*
- 2 *Wynne, Charles Acton.*



## SIZARS AND EX-SIZARS.

(6 women + 41 men = 47.)

**Senior Sophisters.**

- 7 Brunner, Basil Leonard.
- 7 Plumer, Arthur Murray.

## SIZARS.

**Junior Sophisters.**

- 1 Ballantine, James.
- 4 Whitfield, Lionel Digby.
- 7 Willis, Sandham John.

**Senior Freshmen.**

- 3 Clark, Arthur Edward.
- 7 Hutchinson, William Edward.
- 3 *Johnston, Eliza Brown Watt.*
- 11 Leventhal, Solomon.
- 3 Thompson, James Cuthbert.
- 1 Tomkin, Harris.
- 4 Williams, Ernest Hilles.

**Junior Freshmen.**

- 6 Bayne, Alexander Wallace.
- 3 Byron, Francis Thomas.
- 7 Cockle, Kenneth Bernard.
- 7 Crampton, William Edward.
- 1 Dowse, Richard Henry.

**JUNIOR FRESHMEN—contd.**

- 6 Ferguson, John Roulette Stanley.
- 3 *Gordon, Alice.*
- 1 Kennedy, Cyril Ormonde.
- 3 North, Athol Erling.
- 12 *Oxley, Elizabeth.*
- 5 Shapira, Nathan.
- 7 Smyllie, Alexander Walker Grahame.
- 1 Speedy, James.
- 7 Taylor, John.
- 4 Troughton, Arthur Stanley.
- 10 *Weinberger, Eva.*
- 7 Young, Robert Marcus.

**Rising Junior Freshmen.**

- 3 Baker, Hugh Cuthbert.
- 3 Baxter, William Smyth.
- 3 *Bland, Eirene Alethea.*
- 1 Buchanan, John Pillar.
- 1 Buchhalter, Simon William.
- 5 Coleman, Philip.
- 3 *Cooney, Johanna Stockhem.*
- 7 Erritt, William Albert.
- 7 Halliday, Joseph Campbell.
- 7 Hodgins, James Thomas.
- 7 Leatham, James
- 7 Miller, George Arthur.
- 3 Troughton, John Frederick George.
- 7 Wilde, John Frederick.

## REID SIZARS.

*Senior Freshman:*

8 Sutton, Charles David.

*Junior Freshmen.*

7 M'Carthy, Norman Roberts.  
 7 MacDonnell, John Anthony.  
 7 Mair, Robert Wallace.

Total number of Students on the College Books, under the Degree of M.A. :—

Women :—	Non-Foundation Scholars, . . . . .	25	} 231
	Pensioners, . . . . .	200	
	Sizars and Ex-Sizars, . . . . .	6	
Men :—	Scholars of the House, . . . . .	49	} 1037
	Pensioners, . . . . .	947	
	Sizars and Ex-Sizars, . . . . .	41	
			1268

LIST OF STUDENTS IN MEDICINE NOT ON THE BOOKS  
 IN ARTS ON JULY 1, 1920.

*First Year.*

Bradshaw, John Russell.  
 Crawford, John.  
 Cummings, Basil Stewart  
 Johnson.  
 Dickson, James Alfred Nichol-  
 son.  
 Dillon, John Joseph.  
 Fitzpatrick, Laurence Keating.  
 Foster, Thomas Cartret.  
 Handley Ensor, Rupert Charles.

Keatinge, Leslie Reginald Heber.  
 M'Dermott, Samuel.  
 Quigley, John.  
 Taylor, Wentworth Alexander.  
 Taylor, William Hamilton  
 Hepworth.  
 Wallace, James Waldo.  
 Warnock, Robert.  
 Warrington, Robert Cecil Ussher.  
 Warrington, William Oswald.

*Second Year.*

Bell, Louis MacSherry.  
 Byrne, Kathleen Rose.  
 Dockrell, Anne Dorothy.  
 Gouws, Cornelis Francois.

Harvey, Edward (Clk.).  
 Seligson, Alfred Maurice.  
 Shillman, Bernard.

*Third Year.*

Alexander, James Ferguson.	Jordan, George Robert Leslie.
Booth, Dorothy Jane.	Loubser, Cornelius Johannes
Brunton, Charles Eason.	Nicolaas.
Devane, James.	Reid, Martha.
FitzGerald, James Joseph.	Russell, Samuel Wilfred.
Ingham, Richard Henry Joseph.	Sibthorpe, Marjorie Frances.

*Fourth Year.*

Bouchier-Hayes, Margery.	Moore, Eva Elizabeth.
Deane, Joseph Eugene.	Morris, John Vincent.
Holland, Doris.	Panton, Sybil Gertrude.
Hyde, Raymond James Garnet.	Powell, Henry Ignatius Emmet.
Joly, Henry Charles.	Satchwell, Robert Henry.
Lawlor, Alice Elizabeth.	Shortt, Cecil de Lisle.
Lord-Flood, Christopher.	Watson, John Desmond.
Menary, Vera Gladys May.	

*Fifth Year.*

Acheson, James Alexander.	M'Irath, Constance.
Baillie, Emily Elspeth Grace.	M'Quade, Cecil Emrys.
Beckett, Alfred John.	Malherbe, Gideon Clement.
Briggs, William Bruce (Clk.).	Murray, Eric Richard.
Browne, David John.	O'Meara, Robert Anthony.
Campbell, Edward Gordon (Clk.).	Owens, George Edmund.
Chapman, Robert Sturgeon.	Parr, Charles William.
Crosbie, John Henry Brewell.	Pratt, Francis Young.
Daly, Dorothy Alice.	Semple, John Mervyn.
Davis, James Carlisle.	Shegog, Frederick William.
Deale, Eric William Swain.	Smith, Edmund Cyril.
Deane, Hector Charles	Smith, James Alexander.
Chatterton.	Stewart, Ralph William Truman
Dowse, Richard Victor.	Huston.
Dundon, Harry Cristol.	Stopford, Elinor Dorothy.
Dunphy, Michael Gerard.	Stuart, John Henry James.
Griffith, Nora.	Thomson, David Samuel.
Hanna, Henry Lyle.	Tucker, Frederick Charles.
Healy, Patrick Joseph.	Waugh, John Richard.
Hill, Samuel Reginald.	Willock, Edith Florence.
Horan, Mary.	Wills, James Robertson.
Levy, Isaac.	

*External Student.*

Liddy, Joseph Francis Frederick.

## Entrances.

1920

(To July 1).

Adderley, Reginald Campbell  
Stopford.  
Addison, Albert.  
*Addison, Jeanie Isabella.*  
*Alper, Minnie.*  
*Ardagh, Eileen Ambrose.*  
*Armstrong, Henrietta.*  
*Armstrong, Ruth Rose.*  
Asherson, Asher.  
*Ball, Kathleen.*  
Barrett, Reginald James.  
Barton, Dunbar Patrick.  
Beaumont, William Victor.  
*Beere, Thekla June.*  
Bennet, John Orr.  
Beresford, Harold Douglas.  
Bernstein, Alexander.  
Bird, George Armitage.  
Bowesman, Henry Noel.  
Boylan, Charles John Leo.  
Brandt, Reginald Reginald John.  
Brooks, Arthur Burnley.  
Brown, James Lamont.  
Browne, O'Donel Thornley  
Dodwell.  
Browne, Robert Steele.  
Bruce, Harold Easton.  
Carson, Robert George.  
Clancy, Aubrey John Joseph.  
Clancy, Charles Herbert.  
*Cochrane, Florence Evelyn Maude.*  
Cochrane, William Lyons.  
Coetzee, Louis Johannes.  
Collins, John Victor (1919).  
Cooper, Harry Patten.  
Copithorne, Francis.  
Costello, Charles Fleming.  
Craig-McFeely, William  
Norman.  
Crawcour, Ernest George.  
Crawford, Thomas George Brown.  
Cronin, Richard Thomas.  
Cummins, David Patrick.

Cusack, James Joseph.  
*Dalgity, Jessie.*  
Davidson, Samuel.  
Davies, John Laird.  
Delany, Cyril Joseph Augustine.  
Dick, James.  
Dickson, William Arthur.  
Doolan, Louis.  
Duff, Archibald.  
Du Plessis, Charles Johannes.  
Ellis, Edward.  
Fitzgerald, Thomas Sinclair.  
Fitzpatrick, Laurence Keating.  
Fleming, Ian Torrens.  
*Forsythe, Lillah Ierne.*  
Freeman, Leonard.  
Gets, Charles Gerard.  
*Gibb, Mary Stewart.*  
Gilcrist, William Ronald.  
Gill, Arthur Charles.  
Gluck, Bernard.  
*Gluckmann, Cecilia Keva.*  
Gordon, Charles.  
Gordon, Jack Moir.  
Grabler, Paul Johannes.  
Grace, Raymond Eustace.  
Gregg, John Bainbridge.  
Gregory, Joseph Richard.  
Handy, Brian Leslie.  
Harriss, Dermot Marshall.  
Harris, Standish Alan.  
Harwood, Andrew.  
Hayes, George Dowzer.  
Heatley, Seymour Frederick.  
Henry, Robert Noel.  
Higgins, Richard Burnett.  
Hodgman, Jan Hendrik.  
Hogan, Robert Simon.  
Holtsbaum, Francis Peyton.  
Hooper, Arnold Walter Seville.  
Hopkin-James, David Kynvelyn  
John.  
Houston, James.



- Howe, Percy Harold.  
 Hughes, John.  
 Hutchinson, Charles Hector.  
 Ince, Edward Lindsay.  
 Jaffe, Mossy.  
 Jenkins, Raymond Gordon  
     Finney.  
 Johnson, William.  
*Johnston, Louise Palmer.*  
 Johnston, William.  
 Johnston, William Donovan.  
 Joubert, Gideon Jacobus.  
 Joyce, Charles James.  
 Joyce, Thomas Michael.  
 Kahn, Robert.  
 Keatinge, Desmond La Couse.  
 Keeley, James Joseph.  
 Keely, Rooney Edward.  
 Kevin, Charles Kilronan.  
 Kieran, Edward Austin.  
*Kilkelly, Patricia.*  
 Killingley, Arthur Victor Greratt.  
 Knight, William Alexander  
     Young.  
 Knox, Robert Kyle.  
 Labuschagne, Paul Nicolaas  
     Harm.  
 Lamb, John William.  
 Lawrenson, Leslie Robert.  
 Leonard, Simon Aloysius Bene-  
     dict Francis.  
 Levitt, Jack Abraham.  
 Lewin, Harold.  
 Loftus, Ernest Achey.  
 Loveridge, Claude Warren.  
 Luttrell, Norman Glanville.  
 Lyall, Robert Edwin.  
 Lyndsay, David Victor.  
 M'Alpine, Edward.  
 MacCarthy-Morrogh, Francis  
     Denis.  
 M'Cauley, James Ewart.  
 M'Causland, Charles Edward.  
 M'Clure, Charles Archibald.  
 M'Combe, Arthur Hill.  
 M'Donald, George.  
 MacKenna, Frederick Severne.  
 M'Kenna, James O'Neill.  
 MacKenzie, Kenneth Fitzgerald.  
 MacLaughlin, David Mackey.  
 MacMahon, James Francis.  
 M'Mahon, William John  
     Alexander.
- MacTier, Hugh Stanley Carr.  
 Magnier, Cornelius Francis.  
 Magowan, William.  
 Maguire, William Joseph.  
 Malone, Anthony.  
 Malone, Ernest Evans.  
 Marin, Israel.  
 Markey, Reginald John.  
 Martin, Thomas James.  
 Maxwell, William George Smith.  
 Mearns, Keith Munro.  
 Meldon, Charles Vivian.  
 Milliken, John.  
*Milne, Elizabeth.*  
 Moore, Cecil Robert.  
 Moore, Geoffrey Arthur.  
 Morgan, Austin Arthur.  
 Morris, Bernard.  
 Moynan, Raymond Gore Ouseley.  
 Nason, John William Washing-  
     ton.  
 Nolan, Daniel.  
 O'Hara, Leo (1919).  
 O'Keeffe, Richard Patrick.  
 O'Neill, Charles Edward (1919).  
*O'Neill, Margaret.*  
 Ormsby-Scott, Richard Deane-  
     Freeman (1919).  
 Orr, John Ebenezer.  
 Osborne, William Henderson.  
 O'Sullivan-Beare, Donal Barry.  
*Pedlow, Margaret Ethel.*  
 Perrot, Henry Stanislaus.  
*Pigott, Jean Jessie Wellesley.*  
*Pike, Margarete Walker.*  
 Pini, Jonathan.  
*Pim, Mary Sophia.*  
 Pollock, James Conrad.  
*Purdon, Elizabeth Geraldine.*  
*Purdy, Kathleen Ismenia.*  
 Randel, Charles Seymour Patrick.  
*Rankin, Grace Jessica.*  
 Ratthaus, Isaac Fisher.  
 Reid, Norman Campbell.  
 Roantree, William Bernard.  
 Robb, Wilfred Ewart.  
 Robinson, Archibald.  
 Roe, William Thomas.  
*Rollins, Alice.*  
 Russell, Alan Watson.  
 Russell, Harold Rodney.  
 Russell, Joseph George.  
*Russell, Muriel Maude.*

Russell, William.  
*Ryan, Margaret.*  
 Ryan, William Leo.  
 Samolsky, Percy.  
*Scholefield, Eleanor Dulcie.*  
*Scott, Kathleen Holmes.*  
*Scott, Norah Emily Carlton.*  
 Seligman, Joseph.  
 Seymour, Frederic Wilfred.  
 Shafik, Ahmed Ahmed.  
 Shanks, Thomas Reginald.  
 Shelley, Gerald Leo.  
*Simpson, Kathleen.*  
 Simpson, Irwin Edward Paget.  
 Sless, Morris.  
 Sloan, George Berkeley.  
 Sloan, Wolsey Cornwall.  
 Smith, Gerard George Kane.  
 Smyth, Donal Thomas.  
 Somerville-Large, William Collis.  
*Spielman, Doreen Lilius.*  
 St. Clair, John.  
 Steen, Thomas.  
 Stewart, Douglas Samuel.  
*Stirling, Annette Elizabeth.*  
 Strasburg, Israel.

Studdert, Augustine John de  
 Clare.  
 Studdert, de Clare Hallam.  
 Taylor, Gerald Osbrey.  
 Taylor, Wentworth William  
 Arbuthnot.  
*Trant, Hope.*  
*Turnbull, Kathleen Collister.*  
*Turtle, Mary.*  
 Tyndall, Charles John.  
 Van Heyningen, Cecil Gerhardus  
 Cecil.  
 Vellema, Douwe Marinus.  
*Wagener, Maria Elizabeth.*  
 Wagner, Philipp Fred Henry.  
 Wallace, John.  
 Walmsley, George Cecil.  
 Ward, Egerton John.  
 Warrington, Reginald Claude.  
 White, William Andrew.  
 Wicht, John Ditton.  
*Wilson, Mabel Annie.*  
*Wilson, Mary Kathleen.*  
 Wulfsohn, Max.  
 Young, Charles folliott.  
*Young, Augusta Maud.*

## Bachelors in Arts.

1920

*(To July 1).*

Alesbury, Edith Ellen.  
Armstrong, Arthur Patrick.  
Armstrong, John.

Beatty, Thomas Edward Belling-  
ham.

Bennet, John Leslie.  
Bewley, Arthur Geoffrey.  
Blagoff, Athanas.  
Bluett, Douglas.  
Bradlaw, Albert Stanley.

Cairns, Alexander.  
Cockle, Beryl Frances Emily.  
Collins, Frederick Richard.  
Cooke, George Henry.  
Copes, William.  
Craig, John Russell.  
Crockett, John Scott.  
Culverwell, Oliver Gerald.

Deacon, Charles Henry.  
Dench, Reginald Arthur.  
Devane, James.  
Dixon, Ernest George.  
Dorman, Dorothy Charlotte  
Hobart.

Evans, Nelson Graham.  
Eyre, Cecil George.

Farrell, Robert Thompson.  
Felton, Robert Evan.  
FitzPatrick, Richard William.

Good, William.  
Grant, Charles William.  
Grime, Allan Godfrey.

Hadden, Hans.  
Hall, James Beatty.  
Hamilton, Noble Holton.

Hanna, William John.  
Hanretté, Wilfred Edmund.  
Harte, Eveline Mary.  
Harte, Jane Elizabeth.  
Herzenberg, Leo.  
Hilliard, Francis Maybury.  
Hopkin-James, David Kynvelyn  
John.  
Horgan, Eric Sealy.  
Hudson, John Richard Gibson.  
Huston, Charles William  
Archibald.

Ince, Edward Lindsay.  
Irwin, Florine Isabel.

Jabkovitz, Philip.  
Johnston, Samuel George.  
Johnston, Terence Greer.  
Johnston, Thomas Ernest.  
Johnston, William Walter  
Cuthbert.  
Judd, Michael Austin.

Kaplan, Max William.  
Kirker, James Alastair.

Landey, Dorothy Eileen.  
Lemon, Ruth.  
Lindsay, Gladys Anne.

McBride, Robert Gardiner.  
McClean, Frederick William.  
McConnell, Alfred.  
McCormick, Francis Harpur.  
MacDermott, Edward Joseph.  
MacDonald, James Andrew.  
Mackey, Cornelius Anthony.  
McKiernan, Thomas Hugh  
Robinson.  
Madden, John Eusebius.  
Magill, John Fulton Gilliland.

Maguire, Joseph Ballantine.  
Maitland, Walter.  
Meredith, Frederick William.  
Moore, David Lucius Henry.  
Moore, Dora Lois.  
Moran, George Septimus.  
Moran, John William.  
Moshal, Bernard.  
Mounsey, John Milburn.  
Murphy, Cyril James Ussher.  
Murphy, William Allen.  
Muspratt, Eileen Dorothy  
Fraces.

Noyes, Edwin Brownrigg.

Orr, John Ebenezer.

Perdue, Ernest Louis.  
Pope, Richard Alexander  
Dennistoun.  
Powell, Edward Hawkshaw.  
Purcell, Noel Mary Joseph.

Rainey, Thomas.  
Ross, John Donald.  
Russell, Albert Victor John.

Saunders, George Francis  
Thomas.  
Scholtz, Wouter de Vos.  
Scott, Charles Edward.  
Shegog, Frederick William.  
Sheppard, John Farnsworth.  
Small, Francis Victor.  
Smith, Leta Eileen.  
Smith, Robert.  
Smith, William Leslie Winslow.  
Smyth, Henry James.  
Stopford, Dorothy.  
Strong, Herbert William.  
Swanton, Austen.

Tichbourne, Theodora Olivia.

Walker, Arthur George.  
Walpole, George Frederick,  
Ward, Henry Rowlands.  
Weldon, Hugh Bradshaw.  
Wheatley, Richard Elliott Parke.  
Wilkinson, Harold Howard.  
Wills, James Robertson.  
Wilson, Cecil Samuel.  
Woodburn, David Barkley.



# Senatus Academicus,

1920-1921.

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CANCELLARIUS, . . .	{ Præhonorabilis Edvardus Cecil Guinness, Comes de Iveagh, LL.D.
VICE-CANCELLARIUS, . . .	{ Præhonorabilis Jacobus Henricus Mussen Campbell, LL.D.
PRÆPOSITUS COLL. SS. TRIN. . . . .	{ Præhonorabilis et Reverendissimus Johannes Henricus Bernard, D.D.
VICE-PRÆPOSITUS, . . .	Thomas Thompson Gray, M.A.
MAGISTER SENIOR NON REGENS, . . . . .	{ Eduardus Johannes Gwynn, M.A.
PROCURATORES, . . .	{ Senior—Matthæus Wyatt Joseph Fry, M.A. Junior—Arturus Aston Luce, D.D.
REGISTRARIUS, . . .	Edvardus Parnall Culverwell, M.A.

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1886.	V.	Abraham, Phineas Simon, M.D.
1888.	Æ.	Alexander, Thomas, M.A.I.
1890.	Æ.	Allworthy, Samuel Guilelmus, M.D.
1890.	Æ.	Allwright, Eduinus, M.A.
1899.	H.	Alton, Ernestus Henricus, M.A.
1914.	H.	Armstrong, Claudius Blakeley, M.A.
1895.	Æ.	Arundel, Robertus Jacobus, M.D.
1914.	H.	Atkins, Guilelmus Ringrose Gelston, SC.D.
1892.	Æ.	Backhouse, Marmaduke, M.A.
1887.	Æ.	Baker, Arturus Windowe Willert, M.D.
1875.	Æ.	Baker, Guilelmus, M.A.
1883.	H.	Barry, Ludovicus Augustus Jacobus, LL.D.
1919.	H.	Bartley, Johannes.
1890.	V.	Bastable, Carolus Franciscus, LL.D.
1914.	Æ.	Baxter, Jacobus Sinclair, LL.D.

1876. Æ. Baylee, Robertus Perry, M.A.  
 1886. Æ. Beatty, Wallace, M.D.  
 1863. Æ. Bell, Thomas Guilelmus, M.A.  
 1889. H. Bergin, Guilelmus, M.A.  
 1892. Æ. Bernard, *Præhonorabilis* Johannes Henricus, D.D., *Præpositus*.  
 1884. Æ. Berry, Thomas Sterling, D.D., *Episcopus Laonensis*.  
 1895. H. Best, Ricardus, M.A.  
 1883. Æ. Blood, Alexander Findlater, M.A.  
 1875. V. Blood, Joseph, M.CH.  
 1872. H. Boulger, Edvardus Vaughan, M.A.  
 1887. H. Bowen, Henricus Carolus Cole, M.A.  
 1878. V. Brabazon, Johannes, M.A.  
 1899. Æ. Brown, Edmundus St. Clair, M.A.  
 1903. Æ. Bryan, Georgius, LL.D.  
 1917. V. Buck, Percy Carter, M.A.  
 1914. H. Burd, Henricus Mannington Wilkins.  
 1893. Æ. Bury, Ambrose Upton Gledstones, M.A.  
 1885. H. Bury, Johannes Bagnell, M.A.  
 1891. Æ. Callaghan, Alfredus Johannes, LL.D.  
 1870. H. Cameron, Carolus, LL.D., *Baronettus*.  
 1881. H. Campbell, Harper, M.A.  
 1904. Æ. Campbell, *Præhonorabilis* Jacobus Henricus Mussen, LL.D., *Vice-Cancellarius*.  
 1907. H. Canning, Hugo, M.A.  
 1892. Æ. Carroll, Robertus Phippen, M.A.  
 1901. Æ. Carson, *Præhonorabilis* Edvardus Henricus, LL.D.  
 1868. V. Cathcart, Georgius Lambert, M.A.  
 1902. H. Cerf, Albertus Johannes Wodrow, LITT.D.  
 1877. H. Chadwick, Georgius Alexander, D.D.  
 1888. V. Cherry, *Præhonorabilis* Ricardus Robertus, LL.D.  
 1891. Æ. Coade, Carolus Edvardus, LL.D.  
 1881. Æ. Colclough, Howard Johannes, M.A.  
 1873. Æ. Colquhoun, Guilelmus, M.A.  
 1902. H. Conlin, Guilelmus, M.A.  
 1903. Æ. Coote, Algernon Carolus, M.A., *Baronettus*.  
 1900. H. Cotter, Joseph Rogerson, M.A.  
 1896. V. Cotter, Guilelmus Edvardus Pearson, M.A.  
 1886. Æ. Counsel, Edvardus Patricius Sarsfield, LL.D.

1891. Æ. Craig, Jacobus, M.D.  
 1889. H. Crawford, Johannes, D.D.  
 1878. V. Croly, Daniel Georgius Hayes, M.A.  
 1890. H. Cronyn, Abraham Prim, M.A.  
 1893. Æ. Crook, Robertus Franciscus Tackaberry,  
     M.A.  
 1871. H. Crossley, Thomas Henricus Hastings,  
     M.A.  
 1882. H. Culverwell, Edvardus Parnall, M.A.  
 1917. V. Curtis, Edmundus, M.A.  
 1900. Æ. d'Arcy, Carolus Fredericus, D.D.,  
     *Archiepiscopus Ardmachensis.*  
 1890. H. Daunt, Edvardus Stephanus, M.A.  
 1893. V. Davidson-Houston, Jacobus Hamilton.  
 1913. H. Davis, Fredericus Abraham Grubb, M.D.  
 1911. Æ. Davys, Gerardus Irvine, M.D.  
 1905. H. Dawson, Guilelmus Jacobus, M.A.  
 1908. V. Day, Mauritius, D.D., *Episcopus Clogher-*  
     *ensis.*  
 1876. H. Dean, Franciscus, M.A.  
 1890. Æ. Dilworth, Guilelmus Jacobus, M.A.  
 1899. V. Dixon, Andreas Franciscus, SC.D.  
 1897. Æ. Dixon, Henricus Horatius, SC.D.  
 1866. V. Dockrill, Johannes, M.A.  
 1877. V. Dowdall, Lancelottus Johannes Georgius,  
     M.A.  
 1909. Æ. Dowse, Geraldus, M.A.  
 1875. V. Doyle, Bernardus, M.CH.  
 1890. Æ. Doyle, Carolus Franciscus, M.A.  
 1889. Æ. Doyle, Robertus Joseph, M.A.  
 1893. Æ. Dudgeon, Jacobus Maitland, M.A.  
 1910. H. Duggan, Georgius Chester, M.A.  
 1892. Æ. Dunne, Franciscus Guilelmus Bradney,  
     LL.D.  
 1877. H. Eason, Carolus, M.A.  
 1889. H. Egerton, Carolus Guilelmus, M.A.  
 1980. Æ. Elder, Albertus Ewart, M.A.  
 1899. H. Ellis, Guilelmus Edvardus. LL.D.  
 1906. H. Ensor, Ernestus, M.A.  
 1895. Æ. Exham, Gerardus Alston, M.A.  
 1880. Æ. Falconer, Robertus Andrews, M.A.  
 1919. H. Fearon, Guilelmus Robertus, SC.D.  
 1883. H. Fetherstonhaugh, Gothofredus, M.A.

1873. H. Finny, Johannes Magee, M.D.  
 1872. V. Fleming, Fredericus, M.A.  
 1892. V. Fleming, Ricardus Fitzthomas, M.A.  
 1879. H. Forde, Hugo, LL.D.  
 1886. Æ. Ford-Hutchinson, Guilelmus, M.A.  
 1886. H. Franklin, Eduinus Ludovicus, M.A.  
 1898. H. Fraser, Johannes, M.A.  
 1889. V. Fry, Matthæus Wyatt Joseph, M.A.  
 1881. H. Gabbett, Henricus Singer, M.D.  
 1881. H. Gardiner, Guilelmus, M.A.  
 1882. V. Garrett, Georgius Henricus, M.A.  
 1868. Æ. Gibson, *Præhonorabilis* Johannes Georgius,  
     M.A.  
 1890. Æ. Glanville, Fredericus Carolus, M.A.  
 1919. H. Godfrey, Christabel Frances.  
 1919. H. Godfrey, Franciscus La Touche.  
 1898. H. Goligher, Hugo Garvin, M.A.  
 1910. Æ. Goligher, Guilelmus Alexander, LITT.D.  
 1885. Æ. Goodman, Franciscus Georgius, M.D.  
 1877. H. Graham, Christopherus, M.A.  
 1859. Æ. Gray, Thomas Thompson, M.A., *Vice-  
     Præpositus*.  
 1886. Æ. Green, Johannes Edvardus, MUS. DOC.  
 1904. Æ. Greene, Georgius Arturus, LITT.D.  
 1873. Æ. Greer, Guilelmus Benjamin, M.A.  
 1901. Æ. Gregg, Jacobus, M.A.  
 1913. Æ. Gregg, Johannes Allen FitzGerald, D.D.,  
     *Archiepiscopus Dublinensis*.  
 1882. Æ. Grierson, Carolus Thornton Primrose, M.A.,  
     D.D., *Episcopus Dunensis, Connorensis, et  
     Dromorensis*.  
 1892. V. Griffith, Dudley Perceval, M.A.  
 1894. Æ. Gwynn, Edvardus Johannes, M.A.  
 1906. H. Gwynn, Robertus Malcolm, M.A.  
 1876. V. Hackett, Henricus Monck Mason, M.A.  
 1876. V. Hackett, Thomas Edmundus, M.A.  
 1871. H. Hallam, Guilelmus Edvardus, M.A.  
 1879. H. Harris, Franciscus Guilelmus Fitzgerald,  
     LL.D.  
 1885. Æ. Harris, Reginaldus Thomas, M.A.  
 1907. V. Hassard, Arturus, M.A.I.  
 1877. V. Hayes, Guilelmus Arthurus, M.A..  
 1900. H. Hemphill, Samuel, LITT.D.



1914. Æ. Henry, Jacobus Maxwell.  
 1888. V. Hewetson, Henricus Thomas Hulbert,  
 M.A.  
 1878. H. Hime, Mauritius Carolus, LL.D.  
 1875. V. Hipwell, Alfredus Georgius, M.A.  
 1911. H. Hitchcock, Franciscus Ryan Montgomery,  
 D.D.  
 1892. Æ. Hogg, Andreas Albertus Victor, M.A.  
 1886. H. Hughes, Samuel Carlyle, LL.D.  
 1875. Æ. Hughes, Thomas, LL.D.  
 1868. Æ. Hull, Edvardus, M.A.  
 1902. H. Hutchinson, Samuel, M.A.  
 1898. Æ. Irwin, Georgius Freeman, M.A.  
 1901. Æ. Iveagh, *Præhonorabilis* Edvardus Cecil,  
 Comes de, LL.D., *Cancellarius*.  
 1897. H. Jackson, Jacobus Thomas, M.A.  
 1889. Æ. Jeffares, Guilelmus, M.A.  
 1883. Æ. Jennings, Johannes Andreas, M.A.  
 1894. H. Johnston, Albertus Edvardus, M.A.  
 1892. H. Johnston, Alfredus Wade, M.A.  
 1901. Æ. Johnston, Jacobus Patricius, SC.D.  
 1913. H. Johnston, Joseph, M.A.  
 1891. H. Joly, Johannes, SC.D.  
 1902. Æ. Joly, Johannes Swift, M.D.  
 1878. H. Joy, Henricus, D.D.  
 1889. H. Joynt, Henricus Russell, M.A.  
 1881. V. Joynt, Johannes Guilelmus, M.A.  
 1877. Æ. Jozé, Thomas Ricardus González, MUS.  
 DOC.  
 1879. Æ. Kaye-Parry, Guilelmus, M.A.  
 1905. H. Kennedy, Herbertus Brownlow, M.A.  
 1892. Æ. Kennedy, Jacobus Houghton, D.D.  
 1896. H. Kennedy, Guilelmus, M.A.  
 1879. Æ. Kenny, *Præhonorabilis* Guilelmus, M.A.  
 1881. V. Kinahan, Thomas Guilelmus, M.A.  
 1896. Æ. King, Lucas White, LL.D., *Equus*  
*Auratus*.  
 1873. V. Kirkpatrick, Henricus Clare, M.A.  
 1889. H. Knott, Johannes Freeman, M.D.  
 1918. H. Kyle, Johannes Andreas.  
 1903. V. Laird, Johannes Newsom, M.D.  
 1897. Æ. Lawlor, Hugo Jackson, D.D.  
 1866. Æ. Ledger, Guilelmus Crips, M.A.

1885. H. Leech, Henricus Brougham, LL.D.  
 1892. V. Lewis-Crosby, Ernestus Henricus Cornwall, M.A.  
 1884. H. Lindsay, Thomas Somerville Reeves, M.A.  
 1907. V. Lloyd, Guilelmus Henricus, M.A.  
 1902. H. Longworth, Fredericus Albertus, M.A.  
 1879. H. Lucas, Fredericus Johannes, D.D.  
 1920. Æ. Luce, Arturus Aston, D.D.  
 1873. H. Lunham, Thomas Ainslie, M.A.  
 1887. Æ. Lyle, Thomas Rankin, M.A.  
 1889. V. Lyster, Arturus Edvardus, M.A.  
 1889. H. Lyster, Thomas Guilelmus, M.A.  
 1903. Æ. Macalister, Robertus, LL.D.  
 1884. Æ. M'Arthur, Guilelmus, LL.D.  
 1898. Æ. M'Cormick, Albertus Victor, M.A.  
 1883. Æ. M'Cormick, Cormac, M.A.  
 1917. V. M'Cormick, Georgina Campbell.  
 1874. Æ. M'Donnell, Guilelmus Dobbs, M.A.  
 1879. H. Mackintosh, Henricus Guilelmus, M.A.  
 1917. H. McNeile, Alanus Hugo, D.D.  
 1894. Æ. M'Quaide, Carolus Edvardus, M.A.  
 1892. Æ. Macran, Henricus Stewart, M.A.  
 1917. Æ. M'Walter, Jacobus Carolus, M.D.  
 1891. Æ. Madden, *Præhonorabilis* Dodgson Hamilton, LL.D.  
 1917. H. Mason, Thomas Gothofredus.  
 1886. Æ. Massy, Ricardus Dunscombe Hugo, M.A.  
 1870. Æ. Maunsell-Eyre, Robertus Hedges, M.A.  
 1878. H. Mecredy, Jacobus M'Gillicuddy, M.A.  
 1879. H. Micks, Guilelmus Lawson, M.A.  
 1886. Æ. Miller, Carolus Henricus, M.A.  
 1876. H. Molyneux, Evans Kettlewell, M.A.  
 1880. H. Montgomery, Malcolm, M.A.  
 1896. H. Mooney, Georgius Guilelmus, M.A.  
 1871. Æ. Moore, Johannes Guilelmus, M.D., *Eques Auralus*.  
 1896. H. Moore, Guilelmus, M.A.  
 1880. H. Moran, Norbert Ludovicus, M.A.  
 1890. Æ. Morley, Thomas Vevers, M.A.  
 1919. Æ. Mullan, Carolus Seymour.  
 1888. H. Mullins, Georgius Lane, M.D.

1905. Æ. Murphy, Edvardus Sullivan, M.A.  
 1900. H. Neely, Alexander Jacobus, M.A.  
 1881. Æ. Neville, Edvardus Anster, M.A.  
 1872. V. Newton, Henricus, M.A.  
 1884. Æ. Nunn, Johannes Henricus, M.A.  
 1918. H. Nurock, Max.  
 1892. H. O'Connell, Johannes Robertus, LL.D.,  
*Eques Auratus.*  
 1900. V. O'Hara, Henricus Stewart, D.D.  
 1882. Æ. O'Loughlin, Robertus Stuart, M.A.  
 1877. H. Ormsby, Lambertus Hepenstal, M.D.,  
*Eques Auratus.*  
 1899. Æ. O'Sullivan, Alexander Carolus, M.D.  
 1903. Æ. Panter, Georgius Guilelmus, M.A.  
 1889. Æ. Parker, Georgius Guilelmus, M.A.  
 1887. V. Parsons, *Honorabilis* Ricardus Clere,  
 M.A.  
 1916. H. Phillips, Gualterus Alison.  
 1900. H. Pilkington, Franciscus Johannes, M.A.  
 1896. V. Pim, Alanus Guilelmus, M.A.  
 1917. V. Plummer, Henricus Crozier, M.A.  
 1885. H. Pollen, Henricus, M.D.  
 1918. H. Poole, Horatius Hewitt, SC.D.  
 1895. V. Pooler, Carolus Franciscus Knox, M.A.  
 1917. V. Pope, Johannes van Someren, M.A.  
 1888. H. Porter, Guilelmus Henricus, M.A., *Baro-*  
*netus.*  
 1908. Æ. Porter, Guilelmus Holt, M.A.  
 1882. Æ. Posnett, Hutcheson Macaulay, LL.D.  
 1879. Æ. Preston, Johannes Evans, M.A.  
 1874. Æ. Purser, Johannes Mallet, M.D.  
 1891. Æ. Purser, Ludovicus Claudius, LITT.D.  
 1892. V. Rambaut, Arturus Alcock, SC.D.  
 1916. H. Renton, Janie Korolin.  
 1878. H. Ridgeway, Guilelmus, M.A.  
 1879. H. Ringwood, Ricardus, M.A.  
 1905. H. Ringwood, Ricardus Fred, M.A.  
 1876. Æ. Roberts, Guilelmus Radulphus Westropp,  
 M.A.  
 1878. H. Robertson, Edvardus Stanley, M.A.  
 1906. Æ. Robinson, Archibaldus Ludovicus, M.A.  
 1892. Æ. Robinson, Stanford Fredericus Hudson,  
 M.A.

1881. Æ. Robinson, Guilelmus Henricus, M.A.,  
*Eques Auratus.*
1899. H. Rogers, Reginaldus Arturus Percy, M.A.
1879. H. Ross, Guilelmus, M.A.
1865. Æ. Rudd, Thomas, M.A.
1884. Æ. Russell, Robertus, M.A.
1917. V. Russell, Robertus Eduinus, M.A.
1914. Æ. Ryan, Fredericus Guilelmas, M.A.
1888. V. Samuels, *Præhonorabilis* Arturus Warren,  
LL.D.
1885. Æ. Sandys, Johannes Jacobus, M.A.
1872. H. Scott, Arturus Guilelmus, M.A.
1902. Æ. Scott, Guilelmus Robertus, LITT.D.
1884. H. Scriven, Georgius, M.D.
1899. H. Seeds, Jacobus Thompson, LL.D.
1909. Æ. Smiley, Marriott Thomas, M.A.
1892. H. Smith, Carolus, M.A.
1907. H. Smith, Johannes Georgius, M.A.
1870. H. Smith, Gualterus Georgius, M.D.
1910. Æ. Smyly, Henricus Jocelyn, M.A.
1893. H. Smyly, Josiah Gilbertus, M.A.
1891. Æ. Smyly, Philippus Crampton, LL.D., *Eques Auratus.*
1875. H. Smyly, Guilelmus Josiah, M.D., *Eques Auratus.*
1854. V. Smyth, Johannes, M.A.
1893. Æ. Smyth, Johannes Paterson, LL.D.
1905. H. Spaight, Jacobus Molony, LL.D.
1875. H. Stewart, Georgius Franciscus, M.A.
1884. Æ. Stokes, Georgius Joseph, M.A.
1880. Æ. Story, Johannes Benjamin, M.CH.
1887. V. Stubbs, Alfredus, M.A.
1883. Æ. Stubbs, Henricus, M.A.
1886. H. Stubbs, Guilelmus Cotter, M.A.
1907. Æ. Sullivan, Guilelmus Godfrey, M.A.
1903. Æ. Tate, Robertus Guilelmus, M.A., *Eques Auratus.*
1896. Æ. Taylor, Edvardus Henricus, M.D.
1895. Æ. Thompson, Guilelmus Johannes, M.D.,  
*Eques Auratus.*
1908. H. Thrift, Harry, M.A.
1896. H. Thrift, Guilelmus Edvardus, M.A.
1872. H. Tracey, Maxwell Georgius, M.A.



1913. H. Trench, Wilbraham Fitzjohn, LITT.D.  
 1891. H. Tristram, Johannes Guilelmus, D.D.  
 1892. V. Trouton, Fredericus Thomas, SC.D.  
 1907. H. Twiss, Henricus FitzPatrick, LITT.D.  
 1883. Æ. Vanston, Georgius Thomas Barrett,  
     LL.D., *Eques Auratus*.  
 1902. Æ. Walker, Thomas, M.A.  
 1904. H. Wallis, Jacobus Glenn, M.D.  
 1890. H. Ward, Piers Carolus, M.A.  
 1880. H. Warren, Isaac, M.A.  
 1906. H. Warren, Johannes, M.A.  
 1904. H. Wasson, Jacobus Craig, M.A.  
 1916. H. Waterhouse, Gilbertus, M.A.  
 1900. Æ. Watson, Edvardus Johannes Macartney,  
     M.D.  
 1902. H. Webb, Georgius Randolph, M.A.  
 1914. Æ. Werner, Aemilius Alphonsus, SC.D.  
 1885. H. Westropp, Thomas Johnson, M.A.  
 1900. H. White, Henricus Fredericus Hill de Vere,  
     M.A.  
 1907. Æ. White, Newport Benjamin, M.A.  
 1904. H. White, Newport John Davis, D.D.  
 1872. Æ. White, Guilelmus Moore, LL.D.  
 1911. H. Wilkins, Mauricius Arturus Carolus, M.A.  
 1875. H. Williams, Arturus Acheson, M.A.  
 1876. H. Willson, Thomas Benjamin, M.A.  
 1874. Æ. Woodhouse, Stewart, M.D., *Eques*  
     *Auratus*.  
 1886. H. Woods, Hugo, M.D.  
 1913. Æ. Woods, Robertus, M.CH., *Eques Auratus*,  
     *Burgensis Parlamenti Universitatis*.  
 1882. Æ. Woollcombe, Robertus Lloyd, LL.D.  
 1889. V. Wright, Almroth Edvardus, M.D., *Eques*  
     *Auratus*.  
 1885. V. Wright, Guilelmus M'Dowell Aikin, M.D.  
 1907. H. Young, Henricus Lindsay, LL.D.  
 1905. Æ. Young, Sydney, SC.D.

TOTAL . . . 307

### KINGSMILL JONES MEMORIAL PRIZE.

Captain Kingsmill Williams Jones, M.D., D.S.O., R.A.M.C., was killed in action on August 2, 1918, while attending the wounded in the front line.

His friends and relatives, wishing to associate his name for ever with Trinity College, subscribed, in 1920, the sum of £300 to found a prize to be called the "Kingsmill Jones Memorial Prize."

The interest of this money will be awarded annually in Michaelmas Term to the medical student who shows the best general knowledge of Natural or of Experimental Science, or of both, as shown by the results of the Honor Examinations in Arts in these subjects.

## ELECTORS REGISTERED IN 1920.

(To June 30.)

- Acheson, Rev. Archibald Howard M'Causland, Newcastle-street, Kilkeel, Co. Down.  
B. A., *Hiem.* 1913; M. A., *Æst.* 1920; Reg. *April* 19, 1920.
- Adderley, Clara Beatrice Marguerite, St. Catherine's Hospital, Cawnpore, India.  
B. A., *Hiem.* 1913; Reg. *March* 1, 1920.
- Armstrong, Arthur Patrick, 11, Henrietta-street, Dublin.  
B. A., *Æst.* 1920; Reg. *April* 19, 1920.
- Armstrong, Henry Joseph Livingston, 1, St. John's Gardens, Kilmainham.  
Sch., 1920; Reg. *June* 1, 1920.
- Armstrong, John, Bushyfield, Broughshane, Co. Antrim.  
B. A., *Æst.* 1920; Reg. *June* 30, 1920.
- Barney, Richard Wm. Durbin, The University, Hong Kong.  
B. A., *Hiem.* 1909; M. A., *Æst.* 1920; Reg. *June* 30, 1920.
- Beare, William, Boyle-street, Bandon.  
Sch., 1920; Reg. *June* 1, 1920.
- Beatty, Frederick George, 3, Templemore-avenue, Rathgar, Dublin.  
B. A., *Vern.* 1912; M. D., *Vern.* 1920; Reg. *Feb.* 17, 1920.
- Beatty, Octavius Holmes, 5, Elm Grove, Wimbledon, London, S.W. 19.  
B. A. (*ad eundem Oxon.*). *Hiem.* 1884; Reg. *March* 1, 1920.
- Beatty, Thomas Edward Bellingham, 4, Harbour Hill, Queenstown.  
B. A., *Vern.* 1920; Reg. *Feb.* 17, 1920.
- Bennet, John Leslie, Golf Villa, Helen's Bay, Belfast.  
B. A., *Æst.* 1920; Reg. *April* 19, 1920.
- Bewley, Arthur Geoffrey, 89, Merrion-square, Dublin.  
B. A., *Æst.* 1920; Reg. *June* 30, 1920.
- Bird, Jason Grant, Ballydulea House, Queenstown, Co. Cork.  
B. A., *Æst.* 1916; M. D., *Æst.* 1920; Reg. *June* 13, 1920.
- Blagoff, Athanas, Aughrim, Co. Wicklow.  
B. A., *Æst.* 1920; Reg. *April* 19, 1920.
- Bluett, Douglas, 3, Fortfield Villas, Upper Rathmines, Dublin.  
B. A., *Æst.* 1920; Reg. *June* 30, 1920.
- Bourke, Patrick, 147, Oxmantown-road, Dublin.  
Sch., 1920; Reg. *June* 1, 1920.
- Bradlaw, Albert Stanley, 78 Harcourt-street, Dublin.  
B. A., *Æst.* 1920; Reg. *June* 30, 1920.
- Bradshaw, John Russell, National Bank House, Wicklow.  
B. A., *Vern.* 1917; M. A., *Æst.* 1920; Reg. *June* 30, 1920.
- Brambell, Francis William Rogers, Ashbury, Bray, Co. Wicklow.  
Sch., 1920; Reg. *June* 1, 1920.
- Brownrigg, Rev. Hedley William, Lisnagarvey, Lisburn, Co. Antrim.  
B. A., *Æst.* 1881; M. A., *Vern.* 1920; Reg. *Feb.* 17, 1920.

- Brydges, Rev. Jeremiah John, Kerang, Victoria, Australia.  
B.A., *Æst.* 1894; M.A., *Æst.* 1920; Reg. *April* 19, 1920.
- Cairns, Alexander, 104, Botanic-road, Dublin.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Caley, Rev. William Leonard Bertram, St. Paul's Vicarage, Stratford, London, E. 15.  
B.A., *Æst.* 1918; M.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Campion, Rev. William Ashton, The Rectory, Ballycommon, King's Co.  
B.A., *Vern.* 1903; M.A., *Vern.* 1920; Reg. *Feb.* 17, 1920.
- Chandhuri, Asvini Kumar, Bar Library, High Court, Calcutta.  
LL.B. (*ad eundem* Cantab.) and LL.D., *Æst.* 1920; Reg. *June* 30, 1920.
- Clark, Rev. Cecil Dawson, The Rectory, Dromore West, Co. Sligo.  
B.A., *Hiem.* 1913; M.A., *Vern.* 1920; Reg. *Feb.* 17, 1920.
- Clotworthy, Anna Maria, 33, Upper Baggot-street, Dublin.  
B.A., *Hiem.* 1919; Reg. *Dec.* 20, 1919.
- Collins, Frederick Richard, Mount Ida, Chapelizod.  
B.A., *Æst.* 1920; M.A., *Æst.* 1920; Reg. *April* 19, 1920.
- Colthurst, Rev. Percival, 7, Fitzwilliam-terrace, Bray, Co. Wicklow.  
B.A., *Æst.* 1912; M.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Conlin, William, Clantilew, Annaghmore, Co. Armagh.  
B.A., *Æst.* 1911; M.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Cooke, George Henry, 19, Trinity College.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Copes, William, Brickland, Loughbrickland, Co. Down.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Costello, John Francis, Ratheny Cottage, Cloughjordan, Co. Tipperary.  
B.A., *Æst.* 1902; M.A. and M.A.I., *Æst.* 1920; Reg. *April* 19, 1920.
- Craig, John Russell, Waterville, Conyngham-road, Phoenix Park, Dublin.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Crichton, Eric Cuthbert, Ballysodare, Co. Sligo.  
B.A., *Hiem.* 1911; M.D., *Vern.* 1920; Reg. *Feb.* 17, 1920.
- Crockett, Rev. John Scott, The Manse, Sandymount, Dublin.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Crooks, Rev. Louis Warden, Knockbreda Rectory, Belfast.  
B.A., *Hiem.* 1916; M.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Culverwell, Oliver Gerald, Ashdene, Comber, Co. Down.  
B.A., *Æst.* 1920; Reg. *April* 19, 1920.
- Davidson, Andrew Hope, Rotunda Hospital, Dublin.  
B.A., *Æst.* 1916; M.D., *Æst.* 1920; Reg. *April* 19, 1920.
- Dawson, Lionel Edward, Ardmore, Youghal, Co. Cork.  
B.A., *Hiem.* 1908; M.A.I., *Æst.* 1920; Reg. *June* 30, 1920.
- Deacon, Charles Henry, Rathmullan Rectory, Clough, Co. Down.  
B.A., *Æst.* 1920; Reg. *April* 19, 1920.
- Dee, Francis William, 15, King Edward Avenue, Dartford, Kent.  
B.A., *Æst.* 1917; M.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Dench, Reginald Arthur, Sandymount Park, Sandymount, Co. Dublin.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Devane, James, 23, Trinity College.  
B.A., *Vern.* 1920; Reg. *Feb.* 17, 1920.
- Devlin, Rev. Thomas Stafford, Montazal Convalescent Hospital, Montazal, Alexandria, Egypt.  
B.A., *Æst.* 1915; M.A., *Æst.* 1920; Reg. *June* 30, 1920.



- Dixon, Ernest George, 4, Albany-terrace, Ranelagh, Co. Dublin.  
B.A., *Æst.* 1920 ; Reg. *June* 30, 1920.
- Driver, Louis Joseph, 24, Spring-street, Spalding, Lincs.  
B.A., *Æst.* 1914 ; M.A., *Æst.* 1920 ; Reg. *April* 19, 1920.
- Dudley, Walter Lionel, Ranfurly Castle School, Bridge-of-Weir, Scotland.  
B.A., *Hiem.* 1908 ; M.A., *Æst.* 1920 ; Reg. *April* 19, 1920.
- Duggan, Rev. Robert, The Rectory, Culmore, Londonderry.  
B.A., *Vern.* 1916 ; M.A., *Æst.* 1920 ; Reg. *April* 19, 1920.
- Duncan, George Alexander, Crebilly, Ballymena, Co. Antrim.  
Sch., 1920 ; Reg. *June* 1, 1920.
- Emerson, Norman David, North-street, Lurgan, Co. Armagh.  
Sch., 1920 ; Reg. *June* 1, 1920.
- England, Ralph Evan, 134, Hamstead-road, Handsworth, Birmingham.  
B.A., *Vern.* 1913 ; M.A., *Vern.* 1920 ; Reg. *Feb.* 17, 1920.
- English, Joseph Sandys, Rotunda Hospital, Dublin.  
B.A., *Vern.* 1912 ; M.D., *Æst.* 1920 ; Reg. *June* 30, 1920.
- Evans, Nelson Graham, 91, Athenlay-road, Peckham Rye, London, S.E. 15.  
B.A., *Æst.* 1920 ; Reg. *April* 19, 1920.
- Farrell, Robert Thompson, 39, Whitworth-road, Drumcondra.  
B.A., *Vern.* 1920 ; Reg. *Feb.* 17, 1920.
- Felton, Robert Evan, 33, Oakley-road, Ranelagh.  
B.A., *Vern.* 1920 ; Reg. *Feb.* 17, 1920.
- Ffolliott, John Hyde Robinson, 58, St. Lawrence-road, Clontarf, Dublin.  
B.A., *Æst.* 1916 ; M.A.I., *Æst.* 1920 ; Reg. *June* 30, 1920.
- Fitzpatrick, Richard William, Mountrath, Queen's Co.  
B.A., *Æst.* 1920 ; Reg. *June* 30, 1920.
- Furlong, Sydney Joseph Verner, 16, Pembroke-road, Dublin.  
B.A., *Hiem.* 1915 ; M.D., *Æst.* 1920 ; Reg. *June* 30, 1920.
- Gadihuk, Mohammed Alam, Sargodha, Punjab, India.  
B.A., *Æst.* 1913 ; LL.D., *Æst.* 1920 ; Reg. *June* 30, 1920.
- Geddes, Rev. Robert Finlay, Otoranga, King's Co., New Zealand.  
B.A., *Hiem.* 1903 ; M.A., *Æst.* 1920 ; Reg. *June* 30, 1920.
- Gilbert, Thomas Travers, 4, Ulster-street, Phibsboro', Dublin.  
Sch., 1920 ; Reg. *June* 1, 1920.
- Good, William, 41, York-road, Rathmines, Dublin.  
B.A., *Æst.* 1920 ; Reg. *June* 30, 1920.
- Gordon, Rupert Montgomery, 26, Morehampton-road, Donnybrook.  
B.A., *Hiem.* 1914 ; M.D., *Vern.* 1920 ; Reg. *Feb.* 17, 1920.
- Grant, Charles William, 12, Galtrim-road, Bray, Co. Wicklow.  
B.A., *Æst.* 1920 ; Reg. *June* 30, 1920.
- Grime, Allan Godfrey, 5, Kenilworth Park, Harold's Cross, Dublin.  
B.A., *Æst.* 1920 ; Reg. *June* 30, 1920.
- Hadden, Hans, The Mount, Crilly, Aughnacloy, Co. Tyrone.  
B.A., *Æst.* 1920 ; Reg. *June* 30, 1920.
- Haddock, Rev. Josiah, The Rectory, Laghey, Co. Donegal.  
B.A., *Hiem.* 1912 ; M.A., *Æst.* 1920 ; Reg. *June* 30, 1920.
- Hall, James Beatty, Kill-o'-Grange, Blackrock, Co. Dublin.  
B.A., *Æst.* 1920 ; M.A., *Æst.* 1920 ; Reg. *April* 19, 1920.
- Hamilton, Rev. George, Mohill, Co. Leitrim.  
B.A., *Hiem.* 1915 ; M.A., *Æst.* 1920 ; Reg. *June* 30, 1920.

- Hamilton, Noble Holton, "Bindura," Kenilworth Park, Dublin.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Hanna, Wm. John, Ballydougherty, Poyntzpass, Co. Armagh.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Hanretté, Wilfred Edmund, 34, Belgrave-square, Monkstown,  
Co. Dublin.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Haywood, Ethel Marjorie Carmichael, The Training College, Truro,  
Cornwall.  
B.A., *Hiem.* 1911; M.A., *Æst.* 1920; Reg. *April*, 19, 1920.
- Herzenberg, Leo, 27, Trinity College.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Hilliard, Francis Maybury, Dr. Steevens' Hospital, Dublin.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Holmes, William, Ferrard, Antrim.  
Sch., 1920; Reg. *June* 1, 1920.
- Hopkin-James, David Kynvelyn John, The Vicarage, Cowbridge,  
Glam.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Horgan, Eric Sealy, Castleknock, Co. Dublin.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Hudson, John Richard Gibson, St. Ronan's, Clondalkin, Dublin.  
B.A., *Vern.* 1920; Reg. *Feb.* 17, 1920.
- Hughes, Thomas Arthur, c/o Grindlay & Co., Parliament-street,  
London, S.W.  
B.A., *Hiem.* 1908; M.D., *Æst.* 1920; Reg. *June* 30, 1920.
- Huston, Charles Wm. Archibald, 25, Mountjoy-square, Dublin.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Ince, Edward Lindsay, 6, Moredun-square, Perth, N.B.  
B.A. (*ad eundem Cantab.*), *Æst.* 1920; Reg. *April* 19, 1920.
- Jabkovitz, Philip, Trinity College.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Johnston, Samuel George, 71, South Circular-road, Dublin.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Johnston, Terence Greer, The Cottage, Cultra, Co. Down.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Johnston, Thomas Ernest, Rosemount, Omagh, Co. Tyrone.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Johnston, Wm. Walter Cuthbert, Devonshire-square, Bandon, Co.  
Cork.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Jones, Edward Aykroyd, Holly Grange, Ellesmere Park, Eccles, Lancs.  
Sch., 1920; Reg. *June* 1, 1920.
- Judd, Michael Austin, Gortleitragh, Sloperton, Kingstown, Co. Dublin.  
B.A., *Vern.* 1920; Reg. *Feb.* 17, 1920.
- Kaplan, Max William, 27, Trinity College.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Kelly, Gertrude Eva, Ardeen, Newry, Co. Down.  
B.A., *Æst.* 1912; M.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Kirker, James Alastair, 12, Trinity College.  
B.A., *Æst.* 1920; Reg. *April* 19, 1920.
- Lumley, Edward Kenneth, Trinity College.  
Sch., 1920; Reg. *June* 1, 1920.

Lyons, Robert Henry Cummins, 3, Howard-terrace, Dungannon.

B.A., *Hiem.* 1911; M.D., *Æst.* 1920; Reg. *April* 19, 1920.

McBride, Robert Gardiner, Toome, Co. Antrim.

B.A., *Æst.* 1920; Reg. *June* 30, 1920.

McCaughan, Rev. Thomas, The Manse, Douglas Water, Lanark, Scotland.

B.A., *Hiem.* 1915; M.A., *Æst.* 1920; Reg. *June* 30, 1920.

McClean, Frederick William, 115, North King-street, Dublin.

B.A., *Æst.* 1920; Reg. *June* 30, 1920.

McConnell, Alfred, 49, Strand-road, Sandymount.

B.A., *Æst.* 1920; Reg. *June* 30, 1920.

McCormick, Francis Harpur, Ballygar Vicarage, Co. Galway.

B.A., *Vern.* 1920; Reg. *June* 30, 1920.

McCrea, Edward D'Arcy, "Altona," Stillorgan, Co. Dublin.

B.A., *Hiem.* 1916; M.D., *Æst.* 1920; Reg. *April* 19, 1920.

MacDermott, Edward Joseph, Belfort, Blackrock, Co. Dublin.

B.A., *Æst.* 1920; Reg. *April* 19, 1920.

MacDonald, James Andrew, George's Hill, Balbriggan.

B.A., *Æst.* 1920; Reg. *June* 30, 1920.

McKeag, Philip Wolfe, 33 College Gardens, Belfast.

B.A., *Hiem.* 1912; M.D., *Æst.* 1920; Reg. *June* 30, 1920.

McKeown, James Albert, Lisbanal, Milford, Armagh.

Sch., 1920; Reg. *June* 1, 1920.

Mackey, Cornelius Anthony, Rathfarnham.

B.A., *Æst.* 1920; Reg. *June* 30, 1920.

McKiernan, Thomas Hugh Robinson, Dr. Steevens' Hospital, Dublin.

B.A., *Æst.* 1920; Reg. *June* 30, 1920.

Madden, John Eusebius, The Rectory, Killarney, Co. Kerry.

B.A., *Æst.* 1920; Reg. *June* 30, 1920.

Magill, John Fulton Gilliland, 2, Upper Mount-street, Dublin.

B.A., *Æst.* 1920; Reg. *April* 19, 1920.

Maginess, William Brian, Avonmore Lodge, Lisburn, Co. Antrim.

Sch., 1920; Reg. *June* 1, 1920.

Maguire, Joseph Ballantine, Ardeevin, Highfield-road, Rathgar, Co. Dublin.

B.A., *Æst.* 1920; Reg. *April* 19, 1920.

Maitland, Walter, Churchtown Park, Dundrum, Co. Dublin.

B.A., *Vern.* 1920; Reg. *Feb.* 17, 1920.

Maltby, Rev. Robert Walter Scott, The Rectory, Ballymoyer, Whitecross, Co. Armagh.

B.A., *Æst.* 1905; M.A., *Æst.* 1920; Reg. *June* 30, 1920.

Manning, Rev. Wm. Wybrants, Kilmacow Rectory, Waterford.

B.A., *Æst.* 1908; M.A., *Æst.* 1920; Reg. *June* 30, 1920.

Molloy, Hastings Harley, 42, Marine Parade, Morecambe, Lancs.

B.A., *Vern.* 1917; M.D., *Æst.* 1920; Reg. *April* 19, 1920.

Moore, David Lucius Henry, 75, Ranelagh-road, Dublin.

B.A., *Vern.* 1920; Reg. *Feb.* 17, 1920.

Moran, George Septimus, St. James', Howth-road, Clontarf.

B.A., *Æst.* 1920; Reg. *June* 30, 1920.

Moran, John William, 5, De Vescei-terrace, Kingstown.

B.A., *Vern.* 1920; Reg. *Feb.* 17, 1920.

Moshal, Bernard, Trinity College.

B.A., *Æst.* 1920; Reg. *June* 30, 1920.

- Mounsey, John Milburn, "Patterdale," Holyrood, Sandymount-avenue, Dublin.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Murphy, Cyril James Ussher, 39, Trinity College.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Murphy, William Allen, Dr. Steevens' Hospital, Dublin.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Nicholson, James Frederick, Lochiar, Cork.  
B.A., *Hiem.* 1916; M.A., *Æst.* 1920; Reg. *June* 30, 1920.
- North, George Cecil, 11, Waltham-terrace, Blackrock, Dublin.  
Sch., 1920; Reg. *June* 1, 1920.
- North, Harold Stoney, 11, Waltham-terrace, Blackrock, Dublin.  
Sch., 1920; Reg. *June* 1, 1920.
- Noyes, Edwin Brownrigg, Clare Court, Wokingham, Berkshire.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- O'Connor, Rev. John, The Rectory, Monaghan.  
B.A., *Hiem.* 1901; M.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Ogilvie, James Carter, Bute Hospital, Aberdare, S. Wales.  
B.A., *Æst.* 1917; M.D., *Æst.* 1920; Reg. *June* 30, 1920.
- Orr, John Ebenezer, Carlolis, Mosside, Co. Antrim.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Perdue, Ernest Louis, Killala, Co. Mayo.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Pim, Douglas Chetham, 44, Pembroke-road, Dublin.  
B.A., *Æst.* 1914; M.D., *Æst.* 1920; Reg. *June* 30, 1920.
- Pontet, Walter George William, St. Columba's College, Rathfarnham.  
B.A., *Vern.* 1912; M.A., *Vern.* 1920; Reg. *Feb.* 17, 1920.
- Pope, Richard Alexander Dennistoun, 10, Belvidere-place, Dublin.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Powell, Edward Hawkshaw, Benedai, Sutton, Co. Dublin.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Price, Rev. Alfred Henry, Winshill Vicarage, Burton-on-Trent.  
B.A., *Æst.* 1901; M.A., *Vern.* 1920; Reg. *Feb.* 17, 1920.
- Purcell, Noel Mary Joseph, 45, Lower Leeson-street, Dublin.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Purdy, Gordon, Kilhorne, Annalong, Co. Down.  
Sch., 1920; Reg. *June* 1, 1920.
- Quinlan, Bernard Gerald, 26, Collins-street, Melbourne, Australia.  
B.A., *Vern.* 1911; M.D., *Vern.* 1920; Reg. *Feb.* 17, 1920.
- Rainey, Thomas, 103, Malone-avenue, Belfast.  
B.A., *Æst.* 1920; Reg. *April* 19, 1920.
- Rice, Henry James, Portarlinton, Queen's County.  
B.A., *Æst.* 1916; M.D., *Æst.* 1920; Reg. *June* 30, 1920.
- Ross, John Donald, 51, Grove Park, Rathmines, Dublin.  
B.A., *Vern.* 1920; Reg. *Feb.* 17, 1920.
- Russell, Albert Victor John, Main-street, Strabane.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Russell, Mortimer McGee, 53, Booterstown-avenue, Blackrock, Co. Dublin.  
B.A., *Æst.* 1916; M.D., *Æst.* 1920; Reg. *June* 30, 1920.
- Sankara Narayana, Brahmadesam Cidambi, Sitasadan, Chittoor, Madras India.  
B.A., *Æst.* 1917; M.A., *Æst.* 1920; Reg. *June* 30, 1920.



- Saunders, George Francis Thomas, 13, Castle-street, Dalkey.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Scholtz, Wouter de Vos, 38, Trinity College.  
B.A., *Æst.* 1920; Reg. *April* 19, 1920.
- Scott, Charles Edward, Iona, Kenilworth Park, Dublin.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Shegog, Fredrick William, 39, St. Mary's-road, Dublin.  
B.A., *Vern.* 1920; Reg. *Feb.* 17, 1920.
- Sheppard, John Farnsworth, 1, Rostrevor-terrace, Clontarf.  
B.A., *Æst.* 1920; Reg. *April* 19, 1920.
- Shortt, Rev. Charles de Lisle, St. Paul's Rectory, 443, Stretford-road, Old Trafford, Manchester.  
B.A., *Æst.* 1917; M.A., *Æst.* 1920; Reg. *April* 19, 1920.
- Small, Francis Victor, 5, Earlsfort-place, Dublin.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Smith, Robert, Ballyduff, Lifford, Co. Donegal.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Smyth, Henry James, Main-street, Newtownstewart, Co. Tyrone.  
B.A., *Æst.* 1920; Reg. *April* 19, 1920.
- Stopford, Dorothy, 53, Leinster-road, Rathmines, Dublin.  
B.A., *Vern.* 1920; Reg. *Sept.* 10, 1920.
- Stothers, Rev. Thomas, The Rectory, Newtownsaville, Omagh.  
B.A., *Æst.* 1917; M.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Strong, Herbert William, The Rectory, Arklow.  
B.A., *Æst.*, 1920; Reg. *June* 30, 1920.
- Suteliffe, William Henry, Canal House, Inchicore, Dublin.  
B.A., *Hiem.* 1905; M.D., *Æst.* 1920; Reg. *April* 19, 1920.
- Swanton, Austen, Divinity Hostel, 25, Mountjoy-square, Dublin.  
B.A., *Vern.* 1920; Reg. *Feb.* 17, 1920.
- Thompson, Rev. Albert Ernest, Tamney Rectory, Co. Donegal.  
B.A., *Hiem.* 1907; M.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Thrift, William Henry, 80, Grosvenor-square, Rathmines, Dublin.  
Sch., 1920; Reg. *June* 1, 1920.
- Tillyard, Pattie (*antea* Craske), The Cawthron Institute, Nelson, New Zealand.  
B.A., *Hiem.* 1904; M.A., *Vern.* 1920; Reg. *Feb.* 17, 1920.
- Walker, Arthur George, 86, Aldborough-road, Ilford, Essex.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Walker, Rev. Hubert Lawrence, 40, Thirsk-road, Mitcham, Surrey.  
B.A., *Æst.* 1919; M.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Walpole, George Frederick, Castlenode House, Strokestown, Co. Roscommon.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Walters, Rev. Gordon Reynold, Northcote Lodge, Lonarva, G.P.P., Bombay Presidency.  
B.A., *Hiem.* 1901; M.A., *Æst.* 1920; Reg. *April* 19, 1920.
- Walton, Robert Gabbett Dundonald, The Ferneries, Kilkee, Co. Clare.  
Sch., 1920; Reg. *June* 1, 1920.
- Ward, Henry Rowlands, Belgrave House, Belgrave-square, Monkstown, Co. Dublin.  
B.A., *Æst.* 1920; Reg. *June* 30, 1920.
- Warren, William John, 71, Bridge-street, Banbridge, Co. Down.  
B.A., *Æst.* 1919; M.A., *Æst.* 1920; Reg. *June* 30, 1920.

Waters, William Richard Lloyd, Carbury, Co. Kildare.

B.A., *Hiem.* 1912; M.D., *Æst.* 1920; Reg. *June* 30, 1920.

Weldon, Hugh Bradshaw, National Bank, Kells, Co. Meath.

B.A., *Vern.* 1920; Reg. *Feb.* 17, 1920.

West, John Alexander, 4, Holly-terrace, West Hill, Highgate, London.

Sch., 1920; Reg. *June* 1, 1920.

Wheatley, Richard Elliott Parke, Royal Bank House, Kingstown, Co. Dublin.

B.A., *Æst.* 1920; Reg. *June* 30, 1920.

Wigoder, Louis Eli, 1, Brunswick-place, Leeds.

B.A., *Æst.* 1913; M.A., *Æst.* 1920; Reg. *April* 19, 1920.

Wilkinson, Harold Howard, 72, Kenilworth-square, Dublin.

B.A. and M.A., *Vern.* 1920; Reg. *Feb.* 17, 1920.

Wills, James Robertson, 13, Charleville-road, Rathmines, Dublin.

B.A., *Vern.* 1920; Reg. *Feb.* 17, 1920.

Wilson, Cecil Samuel, Dr. Steevens' Hospital, Dublin.

B.A., *Vern.* 1920; Reg. *Feb.* 17, 1920.

Wilson, Rev. Geoffrey Moffat, 20, Leeson-park, Dublin.

B.A., *Hiem.* 1914; M.A., *Æst.* 1920; Reg. *June* 30, 1920.

Woodburn, David Barkley, 2 College-avenue, Londonderry.

B.A., *Æst.* 1920; Reg. *June* 30, 1920.

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# Undergraduate Ordinary Examination Papers.

1919-1920.

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Michaelmas Term, 1919.

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AUTUMN ENTRANCE.

OCTOBER.

---

ARITHMETIC.

MR. H. THRIFT.

1. Find correct to two places of decimals the value of

$$\frac{(321.46 - 149.34 + 12.3)(16.5 - 8.7)}{.029}.$$

2. Find the value of

$$.6529 \text{ of } £1 + .198 \text{ of } £2 \text{ 9s. 4d.} + .216 \text{ of } £1 \text{ 8s. 7d.}$$

3. Find to the nearest centimetre the length of the side of a square field whose area is 33.96 hectares.

(A hectare is a square hectometre. A hectometre is 100 metres.)

4. Find the cost of papering the walls of a room 16 feet 7 inches long, 14 feet 9 inches wide, and 13 feet 4 inches high, with paper costing 9d. per square foot.

5. If the discount on £226 2s. 8d. due at the end of a year and a half is £12 16s., what is the rate of interest?

6. A man invests £2030 in  $4\frac{1}{2}$  per cent. stock at 87. He sells out when the stock has risen to 90, and invests the proceeds in 5 per cent. stock at 98. Find the alteration in his income.

---

ALGEBRA.

MR. WEBB.

1. Multiply together the four expressions

$$a + b + c, \quad b + c - a, \quad c + a - b, \quad a + b - c.$$

Test your answer by putting  $a = 2$ ,  $b = 1$ ,  $c = -1$  in each factor and in the product.

2. Find the simplest value of

$$\frac{x-3}{x^2-3x+2} - \frac{2(x-2)}{x^2-4x+3} + \frac{x-1}{x^2-5x+6} = 0.$$

3.  $2x^4 + x^3 - x - 12$  and  $4x^3 - x - 12$  have a common factor. Find it.

4. Solve the equation

$$\frac{3x-4}{4} - \frac{5x+2}{6} - \frac{4x-6}{11} = 1.$$

5. A number consists of two digits whose sum is 10. If the digits are reversed, the new number is one less than double the original. Find the number.

6. Find  $p$ ,  $q$ , and  $r$  from the equations

$$\begin{aligned} 3p - q + 6r &= 1, \\ 7p + 2q + 7r &= -1, \\ 5p + q + 4r &= 3. \end{aligned}$$

7. If the numerator of a fraction is increased by unity, the fraction equals  $\frac{1}{4}$ ; if the numerator is decreased by unity, the fraction equals  $\frac{1}{5}$ . Find the fraction.

## HISTORY AND GEOGRAPHY.

MR. LUCE.

1. Describe the circumstances of the accession of William I to the English throne.
2. What events led to the battle of Agincourt? Trace Henry's march through France, noting places in his itinerary that were scenes of fighting in the late war.
3. Give an account of England's wars with the Dutch.
4. Describe the rise of British power in India.
5. Trace the development of the British Constitution in the reigns of John, Elizabeth, William IV.
6. Draw a map of Italy, and mark the positions of Rome, Venice, Naples, and Genoa. Mention the Adriatic seaports.
7. Where are the following;—Monte Video, Smyrna, Pittsburg, Los Angeles, Cettinge, Straits of Bab-el-Mandeb, Palk Straits?
8. In what counties are:—Clones, Athenry, Granard, Kenmare, Cashel, Bangor?
9. Enumerate the British possessions in Africa and America.

## LATIN COMPOSITION.

MR. CANNING.

Translate into Latin :—

1. The Consul encamped in the evening on the side of the lake.
  2. Early next morning he set forward again, but the lake and the ground were covered with mist.
  3. Flaminius hoped to attack Hannibal's army while it was still on the march.
  4. The Consul passed through the defile, and, as he saw no enemy, he believed that Hannibal did not mean to fight.
  5. Jupiter himself appeared to a citizen in a dream, and bade him tell the Consuls not to lay down their office without being reconciled. On this Pompeius stood still and said not a word, but Crassus advanced, took his hand, and exclaimed, 'There is nothing mean in being the first to give way to Pompeius.'
- 

## FRENCH AND GERMAN.

PROFESSOR RUDMOSE-BROWN.

1. Translate into English :—

*Either—*

Au coucher du soleil, la voiture qui ramenait les fermiers parut au détour du chemin. Il y avait cinq personnes dans la voiture, deux hommes et trois femmes. En passant devant moi la fermière me sourit et les autres se penchèrent pour me voir. Peu après, la ferme s'emplit de bruit, et comme il était trop tard pour faire la soupe, tout le monde dîna d'un morceau de pain et d'un bol de lait.

Dès le lendemain, la fermière me remit un manteau de grosse toile, et je suivis la vieille Bibiche pour apprendre à garder les agneaux.

La vieille Bibiche et sa chienne Castille avaient une si grande ressemblance que je pensais toujours qu'elles étaient de la même famille. Elles paraissaient du même âge, et leurs yeux troubles étaient de la même couleur.

*Or—*

Bisher war es ihr noch nicht eingefallen, den magischen Spiegel zu konsultiren, sie brauchte ihn nur als einen gemeinen Spiegel, um ihren Kopfputz dadurch zu prüfen, ob die Jungfrauen ihn zu ihrem Vortheil aufgesetzt hätten. Keine Frage hatte sie sich noch nicht erlaubt, entweder weil ihr zur Zeit noch kein kritischer Umstand vorgekommen war, der eines Rathgebers bedurft hätte, oder weil sie zu schen war und befürchtete, ihre Frage möchte vorwitzig und unbesonnen sein, und der blanke Spiegel dürfe darüber erblinden. Unterdessen machte die Stimme der Schmeichelei ihre Eitelkeit immer mehr rege, und ezeugte in ihrem Herzen den Wunsch, das in der That zu sein, was das Gerücht ihr tagtäglich laut in die Ohren gellerte; denn sie besass die so seltene Penetration der Grossen, in die Sprache ihrer höflinge ein gerechtes Misstrauen zu setzen.

## 2. Translate into French or German :—

We do not know what is going to happen. The world we live in to-day is a different world from that which we knew before the war. We must be ready to do our work, whatever it may be, and to judge events calmly and wisely, without allowing our prejudices to rule our conduct. Perhaps, in the end, a better world will be the result of our efforts. Who knows?

---

MR. R. M. GWYNN.

## ENGLISH COMPOSITION.

Write an essay on *one* of the following subjects :—

1. The Summer of 1919.
  2. Mountain warfare.
  3. The Good Comrade.
  4. Day Schools and Boarding Schools.
  5. The finest county in Ireland.
- 

## SUPPLEMENTAL ENTRANCE EXAMINATION.

ARITHMETIC.

MR. ROGERS.

1. Find to two decimal places—

$$\frac{.36 \times .057 \times 12.25}{.047}$$

2. If  $15\frac{3}{4}$  lbs. of beef cost £1 10s.  $3\frac{1}{2}$ d., find the price of 1 lb. to the nearest farthing.
3. Express five million seconds as a decimal of a year to two places.
4. Find to the nearest penny the compound interest on £135 for 2 years at 5 per cent.
5. A man invests £1,188 in 5 per cent. Stock at 99. What interest does he receive?
6. Find the square root of .86 to three decimal places.



## ALGEBRA.

MR. FRASER.

1. Simplify the expression

$$\frac{x-y}{x^2-xy-\frac{(x-y)^2}{1-\frac{x}{y}}}$$

2. If  $a + b + c = 0$ , prove that

$$\frac{(b+c)(b^2+c^2-a^2)}{2bc} + (c+a) \frac{(c^2+a^2-b^2)}{2ca} + \frac{(a+b)(a^2+b^2-c^2)}{2ab} = 0.$$

3. Divide  $x^7 - 2y^{14} - 7x^5y^4 - 7xy^{12} + 14x^2y^8$  by  $x - 2y^2$ .4. Solve the equation  $(x+2)(2x+3) = 2(x+4)^2 - 53$ .

5. The sum of two numbers is 98, and their difference is 8: find the numbers. ✓

6. Add the fractions

$$\frac{x-3}{x-4}, \quad \frac{4-x}{x+3}, \quad \frac{5}{16-x^2}.$$

7. Find the highest common factor of the expressions

$$2x^3 - 9ax^2 + 9a^2x - 7a^3, \quad 4x^3 - 20ax^2 + 20a^2x - 16a^3.$$

## HISTORY AND GEOGRAPHY.

MR. EXHAM.

[Answer two questions, one in each section.]

[A.]

1. Note the most conspicuous instances of attempts at personal government in English history, and the results.

2. Give some account of England under the Commonwealth.

3. Write a short note on the career of each of the following:—the Duke of Marlborough, the Duke of Wellington, Lord Clive, the two Pitts.

[B.]

4. Draw a map of France, marking chief towns, rivers, mountains, and showing present boundaries.

5. From what countries do the following products chiefly come:—gold, silver, iron, tin, rubber, oil, cotton, rice, sugar, wool?

6. Locate the chief British possessions, and classify them according to the form of government under which they are administered.

### FRENCH AND GERMAN.

PROFESSOR RUDMOSE-BROWN.

#### 1. Translate into English:—

*Either—*

Le curé sauta de sa chaise, les joues pourpres, les lèvres tremblantes:—Monsieur! . . . Mais ce n'est pas à vous que j'ai à parler, dit-il en sortant précipitamment du cabinet.

Il courut à la porte du ministre et voulut se la faire ouvrir.

— Le ministre est sorti, répondit un des huissiers en lui riant au nez.

— Je vais l'attendre; j'attendrai toute la journée, s'il le faut.

— Attendez-le donc dans la rue, dit l'huissier; car vous ne pouvez pas rester ici.

— Soit, répliqua le pauvre curé, bien résolu à s'établir devant la porte de l'hôtel.

*Or—*

Die Ritter schüttelten die Köpfe und meinten, es sei unmöglich, denn die Entfernung war sehr gross. Da trat Wieland vor den König und sprach: „Ich will den Versuch machen und den Stein holen. Willst du dein Königswort halten und mir deine Tochter zur Frau geben?“ „Ja!“ gelobte der König vor allen Rittern. Nun schwang sich Wieland auf den Rücken seines guten Pferdes und ritt mit Windeseile davon. Alle, die den Reiter sahen, glaubten, es sei Wotan, der durch die Lüfte reite. Endlich gegen Mitternacht sah Wieland die Türme des Königsschlusses.

#### 2. Translate into French or German:—

He reached the castle at nine o'clock in the evening. The gate was closed. He knocked. No one opened. He knocked again. This time the gate was opened, and a number of soldiers sprang out and seized him. He was dragged before the King, who was sitting on his throne with a golden crown on his head. The captain of the soldiers said: 'Your Majesty, here is the traitor!' The King replied: 'Hang him!' The new-comer laughed and said: 'Do what you will!' The King recognized his voice, and cried: 'Leave him here. I wish to speak with him.'

### LATIN COMPOSITION.

MR. CANNING.

1. The Germani hoped that when they had overcome the resistance of the Belgae, they would defeat the Galli and Britanni, and capture Lutetia, the chief town of the Galli, by storm, and so make an end of the war.

2. But the Galli and Britanni withdrew southwards by forced marches, and taking up a strong position near the river Matrona, awaited the onset of the Germani.

3. Meanwhile the Germani, elated with victory, speedily pursued the retreating armies, but, after five days of fierce fighting, they were compelled to retreat to the Axona with great loss of men and of heavy baggage.

4. Then the enemy pitched their camp on the high ground beyond the Axona, and here, in a position strong by nature and by art, they remained for many months, though the Galli and their allies made many efforts to dislodge them.

5. At length, when the war had lasted four [years, the Germani, having been defeated in many great battles by our men (their citizens at home being now worn out by the scarcity of all the necessaries of life, sent ambassadors to the leader of the Galli to say that they were willing to make peace on the fourteen conditions already proposed by the Dictator of the Americani.

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## ENGLISH COMPOSITION.

MR. R. M. GWYNN.

Write an essay on *one* of the following subjects:—

1. National character as displayed in national games.
2. Commercial interests as a tie or a barrier between nations.
3. The winds.
4. My favourite meal.

## JUNIOR FRESHMEN.

## GEOMETRY.

MR. ROGERS.

*Theoretical.*

1. Show how to describe on a given straight line a rectangle equal in area to a given rectangle.
2. Divide a straight line into two parts so that the rectangle under the whole line and one part may be equal to the square of the other.
3. If the four vertices of a quadrilateral are equidistant from a point  $O$ , prove that the sum of its opposite angles is equal to two right angles.
4. In a given circle describe a triangle equiangular to a given triangle.
5. The bisector of the vertical angle of a triangle divides the base in the ratio of the sides.
6. Equiangular triangles are similar.
7. Any figure on the hypotenuse of a right-angled triangle is equal to the sum of the similar and similarly situated figures on the two sides.

*Practical.*

8. Describe a square equal in area to an equilateral triangle whose side is 2 inches. Measure the side of the square to the nearest tenth of an inch.
9. Describe a circle equal in area to the sum of the areas of two circles of diameter 3 inches and 4 inches.
10. In question 2, if the line is one inch, calculate the length of the longer segment.

## ALGEBRA AND ARITHMETIC.

MR. WEBB.

1. Solve the equation

$$3\left(x - \frac{5}{4}\right) - \frac{x-6}{2} = 4x - 5 - \frac{2}{3}(x-2).$$

2. Find to 2 places of decimals the roots of

$$3x^2 - 13x + 11 = 0.$$

3. Solve the equations

$$\begin{aligned} x - 2y - 3z &= 17, \\ 2x - y - 4z &= 37, \\ 3x - 5y - 4z &= 13. \end{aligned}$$



4. Solve the equations

$$\begin{aligned}x^2 - xy &= 35, \\ 3xy + y^2 &= -26.\end{aligned}$$

5. Reduce to its lowest terms

$$\frac{x^4 + 4x^3 + 9x^2 + 11x + 5}{x^4 + 2x^3 + 3x^2 - x - 5}.$$

6. Three years hence Ann will be twice as old as Tom, and she is now three times the age he was when she was twice his present age. How old are Ann and Tom?

7. Show that  $2x^{\frac{2}{3}} - 4x^{\frac{1}{3}}y^{\frac{1}{3}} + 3y^{\frac{2}{3}}$  is a factor of  $6x^{\frac{2}{3}} - 2x^{\frac{1}{3}}y^{\frac{1}{3}} - 15x^{\frac{2}{3}}y^{\frac{1}{3}} + 23x^{\frac{1}{3}}y^{\frac{2}{3}} - 6y$ .

8. Find out whether there is any number that divides both 418,778 and 376,177, and give some indication that you understand the reason of the method you use.

9. Find to the nearest penny the cost of 31 tons 5 cwt. 1 qr. 23 lbs. at £2 16s. 6d. per ton.

10. Find the amount of £273 16s. in 3 years at 4 per cent. compound interest.

### TRIGONOMETRY.

MR. H. THRIFT.

1. What is meant by the circular measure of an angle?

Find the angle subtended at an observer's eye by a body whose diameter is 2,160 miles, and whose distance is 234,000 miles.

2. Express all the other trigonometrical ratios of an angle in terms of its cosecant.

3. Prove by means of diagrams the expressions for

$$\cos(90^\circ + A), \quad \tan(270^\circ - A)$$

in terms of the trigonometrical functions of  $A$ .

4. Prove the formula for  $\cos(A - B)$  in terms of  $\sin A$ ,  $\cos A$ ,  $\sin B$ ,  $\cos B$ .

5. Given that

$$\cos A = \frac{15}{17}, \quad \sin B = \frac{12}{37},$$

find the value of  $\cos(A + B)$ , if  $A$  is an acute angle and  $B$  an obtuse angle.

6. If  $A + B + C = 180^\circ$ , prove that

$$\sin A + \sin B - \sin C = 4 \sin \frac{A}{2} \sin \frac{B}{2} \cos \frac{C}{2}.$$

7. In a plane triangle, assuming the formula for  $\cos A$  in terms of the sides, prove the formula for  $\cos \frac{A}{2}$ .

8. Given in a plane triangle two sides and the angle opposite one of them, show how to find the other angles and side. Under what conditions are there two solutions?

9. Given

$$L \tan 28^\circ = 9.7257, \quad \log 1743 = 3.2412, \quad \log 2856 = 3.4557,$$

find

$$\log \left[ \sqrt[3]{\frac{17.43}{2.856}} \times \tan^3 28 \right].$$

10. Given in a plane triangle

$$C = 57^\circ 34', \quad a = 100, \quad b = 80,$$

$$\log 3 = .4771213, \quad L \tan 61^\circ 13' = 10.2601304,$$

$$L \tan 11^\circ 26' = 9.3058689, \quad L \tan 11^\circ 27' = 9.3065187,$$

find  $A$  and  $B$ .

#### LATIN AND LATIN COMPOSITION.

DR. GOLIGHER.

1. Translate:—

Nono die in iugum Alpium perventum est per invia pleraque et errores, quos aut ducentium fraus aut, ubi fides iis non esset, temere initae valles a coniectantibus iter faciebant. Biduum in iugo stativa habita fessisque labore ac pugnando quies data militibus: iumentaue aliquot, quae prolapsa in rupibus erant, sequendo vestigia agminis in castra pervenere. Fessis taedio tot malorum nivis etiam casus occidente iam sidere Vergiliarum ingentem terrorem adiecit. Per omnia nive oppleta cum signis prima luce motis segniter agmen incederet, pigritiaque et desperatio in omnium vultu emineret, praegressus signa Hannibal in promontorio quodam, unde longe ac late prospectus erat, consistere iussis militibus Italiam ostendit subiectosque Alpinis montibus Circumpadanos campos, moeniaque eos tum transcendere non Italiae modo sed etiam urbis Romanae: cetera plana proclivia fore, uno aut summum altero proelio arcem et caput Italiae in manu ac potestate habituros.—LIVY.

2. Parse, and give the chief parts of—motis, incederet, praegressus, consistere, fore.

3. Show your acquaintance with the speeches made by Scipio and by Hannibal to their soldiers before the fight at the Ticinus.

#### LATIN COMPOSITION.

Translate into Latin:—

1. The Romans threw a bridge over the river, and built a fort to protect it.

2. It was obvious that open plains would not suit the Roman plan of campaign.

3. He declared that there was no one except his colleague who desired to postpone an engagement.

4. He left Rome on the 6th of January, but 'did not reach Capua before the 29th.

5. Surely you do not think that the leaders are honourable men?

6. When Phyllis heard these words, addressed to her by her mother in sad tones and with a sorrowful countenance, she began to weep bitterly, and then hastened out of the house. It was her intention to seek her father, who was ploughing his fields, and to ask pardon from him for her wrongful acts, casting herself at his feet and clasping his knees in token of grief and repentance; but before she found him, a different course of procedure occurred to her mind, and this she determined at once to adopt.

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GREEK.

MR. JOHNSTON.

Translate :—

οὐ πολλοῦ γ' ἔνεκα χρόνου, ὦ ἄνδρες Ἀθηναῖοι, ὄνομα ἔχετε καὶ αἰτίαν ὑπὸ τῶν βουλευμένων τὴν πόλιν λειδορεῖν, ὥς Σωκράτῃ ἀπεκτόνατε, ἄνδρα σοφόν· φήσουσι γὰρ δὴ με σοφὸν εἶναι, εἰ καὶ μὴ εἰμὶ, οἱ βουλόμενοι ὑμῖν ὀνειδίζειν. εἰ οὖν περιμενεῖντε ὀλίγον χρόνον, ἀπὸ τοῦ αὐτομάτου ἂν ὑμῖν τοῦτο ἐγένετο· ὁρᾶτε γὰρ δὴ τὴν ἡλικίαν, ὅτι πόρρω ἤδη ἐστὶ τοῦ βίου, θανάτου δὲ ἐγγύς. λέγω δὲ τοῦτο οὐ πρὸς πάντας ὑμᾶς, ἀλλὰ πρὸς τοὺς ἐμοῦ καταψηφισαμένους θάνατον. λέγω δὲ καὶ τότε πρὸς τοὺς αὐτοὺς τούτους. ἴσως με οἴεσθε, ὦ ἄνδρες, ἀπορία λόγων ἑαλωκέναι τοιούτων, οἷς ἂν ὑμᾶς ἔπεισα, εἰ ᾧμην δεῖν ἅπαντα ποιεῖν καὶ λέγειν, ὥστε ἀποφυγεῖν τὴν δίκην. πολλοῦ γέ δεῖ. ἀλλ' ἀπορία μὲν ἑάλωκα, οὐ μέντοι λόγων, ἀλλὰ τόλμης καὶ ἀναισχυντίας καὶ τοῦ ἐθέλειν λέγειν πρὸς ὑμᾶς τοιαῦτα, οἷ ἂν ὑμῖν ἥδιστα ᾗν ἀκούειν, θρηνηοῦντός τέ μου καὶ ὀδυρομένου καὶ ἄλλα ποιούντος καὶ λέγοντος πολλὰ καὶ ἀνάξια ἐμοῦ, ὥς ἐγὼ φημι· οἷα δὴ καὶ εἴθισθε ὑμεῖς τῶν ἄλλων ἀκούειν.—PLATO.

1. Parse, and give the chief parts of ἀπεκτόνατε, καταψηφισαμένους.

2. What was the Socratic εἰρωνεία?

3. Give the substance of Socrates' concluding remarks on the subject of Death.

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FRENCH AND GERMAN.

PROFESSOR RUDMOSE-BROWN.

1. Translate into English :—

*Either—*

Quand elle fut sortie, je demandai au père et à la mère quelle était la cause du sérieux de leurs pensées et de la tristesse de leur enfant. Alors ils me racontèrent que le père d'un cousin de Graziella, nommé

Cecco, était venu dans la journée à la maison ; qu'il avait demandé leur petite-fille en mariage pour son fils ; que c'était un bien grand bonheur et une haute fortune pour la famille ; que Cecco aurait du bien ; que Graziella, qui était si bonne, prendrait avec elle et élèverait ses deux petits frères comme ses propres enfants ; que leurs vieux jours à eux-mêmes seraient ainsi assurés contre la misère ; qu'ils avaient consenti avec reconnaissance à ce mariage ; qu'ils en avaient parlé à Graziella ; qu'elle n'avait rien répondu, par timidité et par modestie de jeune fille ; que son silence et ses larmes étaient l'effet de sa surprise et de son émotion, mais que cela passerait comme une mouche sur une fleur ; enfin qu'entre le père de Cecco et eux il avait été convenu qu'on ferait les fiançailles après les fêtes de Noël.

Or—

Victor Hugo ist am 26. Februar 1802 in Besançon geboren, wo sein Vater, der trotz seines alten Adels den Ideen der Revolution huldigte, als Offizier der Republik in Garnison stand. Seine Mutter, in der Vendée geboren und erzogen, war auch eine echte Tochter der Vendée, streng religiös und royalistisch gesinnt. —Den Vater führte der militärische Dienst in raschem Wechsel bald nach Italien, bald nach Corsica, Elba, Spanien, Frankreich. Nur vorübergehend war die Familie bei ihm ; Victor lebte zumeist bei der Mutter, zeitweise in Erziehungsinstituten.

Die verschiedene Richtung der beiden Eltern spiegelte sich in den Entwicklungsphasen des Sohnes wieder.—Als er vom Knaben zum Jüngling heranreifte, war Napoleon gestürzt und die Restauration eingetreten. Victor schwärmte wie die Mutter für das alte Königtum, für die alte Kirche, für die alten Formen des feudalen Mittelalters. Aber es kam auch die Zeit, wo er den Ruhm des gefallen Kaisers, unter dem sein Vater zum General aufgestiegen war, verherrlichte. Und später hat er sich ganz der Republik zugewandt, der sein Vater von früh an seine Dienste geweiht hatte.

## 2. Translate into French or German :—

Six people were sitting in the room. Three of them were men. They were smoking their pipes. The other three were boys. They were reading. At last one of the men got up and said : 'It is time to depart.' Then the boys shut their books, put them on the table, and went out. The men put on their coats, spoke a few words to one another in a low voice, and went out also. The last closed the door and locked it. It was a dark night, and the rain was falling. There was no moon. What were they going to do ? I do not know.

## ENGLISH COMPOSITION.

MR. LUCE.

[Choose one subject.]

1. Pedants.
2. Sir Roger at the County Assizes.
3. The Clown in *Twelfth Night*.
4. 'Some have greatness thrust upon them.'



# SPECIAL PRELIMINARY EXAMINATION FOR MEDICAL STUDENTS.

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## GEOMETRY.

MR. WEBB.

[Not more than EIGHT questions to be answered.]

### *Constructions.*

1. Draw a triangle whose sides are 7, 5, and 3 half-inches, circumscribe a circle to it, and measure the diameter of the circle.

2.  $AB$  is a line 5 inches long. Find by geometrical construction points  $P$  in it and  $Q$  in its production so that the ratios  $AP : PB$  and  $AQ : QB$  may each be as 5 : 2.

3.  $AOB$  is a line passing through the centre  $O$  of a circle whose diameter is 3 inches.  $AO = 3$  inches,  $OB = 2\frac{1}{2}$  inches.

Construct tangents  $AP$  and  $BQ$  to the circle (on the same side of the diameter), and produce them to meet in  $T$ . Measure  $\angle ATB$ .

### *Theoretical.*

4. Prove that when a line intersects two parallel lines the alternate angles are equal, stating clearly the axiom you use.

(a) Infer that if two lines  $A$  and  $B$  are respectively parallel to  $C$  and to  $D$  the angle between  $A$  and  $B$  equals the angle between  $C$  and  $D$ .

5. Show by how much in an obtuse-angled triangle the square on the greatest side exceeds the sum of the squares on the other two.

6.  $A, B, C$  are any three points on a circle, and  $BT$  is a tangent at  $B$ . Prove the proposition which shows that  $\angle TBC$  equals  $\angle BAC$  or its supplement.

7.  $LM$ , parallel to the side  $BC$  of a triangle, cuts the other sides  $AB, AC$ , produced in  $LM$ . Prove  $AL : LB :: AM : MC$ .

8. If two triangles have their corresponding side-ratios all equal, prove that they are equiangular.

9.  $ABCDEF, A'B'C'D'E'F'$  are similar hexagons. Prove the triangles  $AED$  and  $A'E'D'$  are similar.

10. Make a triangle similar to a given triangle and twice its area.

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## ARITHMETIC AND ALGEBRA.

MR. W. E. THRIFT.

1. Find the four factors of

$$4x^2y^2 - (x^2 + y^2 - z^2)^2.$$

## 2. Solve the equations

$$\begin{aligned} 5x - 2y + z &= 2\frac{1}{2}, \\ -11x + y + 12z &= -2\frac{1}{8}, \\ 2x - 3y - 11z &= -2\frac{3}{4}. \end{aligned}$$

3. Express  $3x^2 + 5x - 1$  as the difference of two squares, and hence find, to two decimal places, two values of  $x$  which will make the expression equal to zero.

4. Find  $x$  and  $y$  from the equations

$$\begin{aligned} x^3 - y^3 &= 124, \\ x - y &= 4. \end{aligned}$$

5. Find the price of eggs, if, on a fall in price of a penny each, twelve more can be bought for £1.

## 6. Reduce to its simplest form

$$\frac{a^3}{(a-b)(a-c)} + \frac{b^3}{(b-a)(b-c)} + \frac{c^3}{(c-a)(c-b)}.$$

7. Find to two places of decimals the weight in pounds of a cubic foot of water, assuming that there are 2.54 c.m. in 1 inch, that 1 c.c. of water weighs 1 gr., and that there are 2.205 lbs. in 1 kilogram.

8. Find the cost of 1 ton 13 cwt. 3 qrs. 23 lbs. at £2 11s. 6d. per cwt.

9. Find the True Present Worth of a sum of £1215 due in 3 months, the rate of interest being 5 per cent. per annum.

10. In what proportions should tea at 1s. 9d. per lb. be mixed with tea at 3s. 9d. per lb., so that the mixture may be sold at 2s. 6d. per lb. with a profit of 20 per cent. ?

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LATIN.

MR. LUCE.

[A.]

Translate :—

Iam veris comites, quae mare temperant,  
Impellunt animae lintea Thraciae :  
Iam nec prata rigent nec fluvii strepunt  
Hiberna nive turgidi.

Nidum ponit Ityn flebiliter gemens  
Infelix avis et Cecropiae domus  
Aeternum opprobrium, quod male barbaras  
Regum est ultra libidines.

Dicunt in tenero gramine pinguium  
Custodes ovium carmina fistula  
Delectantque Deum, cui pecus et nigri  
Colles Arcadiae placent.

Adduxere sitim tempora, Virgili :  
Sed pressum Calibus ducere Liberum  
Si gestis, iuvenum nobilium cliens,  
Nardo vina merebere.

HORACE.

1. Parse:—*ulta*, *placent*, *adduxere*, *merebere*, *ducere*.
2. Give the meaning of:—*alea*, *vicarius*, *madet*, *horreis*, *vectigalia*.
3. Give the context of the following quotations:—
  - (a) *Non omnis moriar*.
  - (b) *Pacem duello miscuit*.
  - (d) *Splendide mendax*.

[B.]

#### LATIN COMPOSITION.

When the Germanic war was over Caesar decided that for many reasons he must cross the Rhine. The chief of his reasons was that the Germans were ready on the slightest pretext to invade Gaul, and he wished them to see that a Roman army both could and would cross that river, and that consequently their own interests lay in peace. He was unwilling to effect the crossing in small boats, so he ordered his engineers to construct a bridge broad enough to give passage to troops with their transport.

GREEK.

MR. LUCE.

Translate:—

μετὰ δὲ ταῦτα ἀναβὰς Εὐρυπτόλεμος ἔλεξεν ὑπὲρ τῶν στρατηγῶν τάδε. Τὰ μὲν κατηγορήσων, ὧ ἄνδρες Ἀθηναῖοι, ἀνέβην ἐνθάδε Περικλέους ἀναγκαίου μοι ὄντος καὶ ἐπιτηδείου καὶ Διομέδοντος φίλου, τὰ δ' ὑπεραπολογησόμενος, τὰ δὲ συμβουλεύσων ἃ μοι δοκεῖ ἄριστα εἶναι ἀπάσῃ τῇ πόλει. κατηγορῶ μὲν οὖν αὐτῶν ὅτι μετέπεισαν τοὺς συνάρχοντας βουλομένους πέμπειν γράμματα τῇ τε βουλῇ καὶ ὑμῖν ὅτι ἐπέταξαν τῷ Θηραμένει καὶ Θρασυβούλῳ τετταράκοντα καὶ ἑπτὰ τριήρεσιν ἀνελεῖσθαι τοὺς ναυαγούς, οἱ δὲ οὐκ ἀνείλοντο. εἰτα νῦν τὴν αἰτίαν κοινὴν ἔχουσιν ἐκείνων ἰδίᾳ ἁμαρτόντων, καὶ ἀντὶ τῆς τότε φιланθρωπίας νῦν ὑπ' ἐκείνων τε καὶ τινῶν ἄλλων ἐπιβουλευόμενοι κινδυνεύουσιν ἀπολέσθαι; οὐκ, ἂν ὑμεῖς γέ μοι πείθησθε τὰ δίκαια καὶ ὅσια ποιοῦντες, καὶ ὅθεν μάλιστ' ἀληθῆ πεύσεσθε καὶ οὐ μετανοήσαντες ὕστερον εὐρήσετε σφᾶς αὐτοὺς ἡμαρτηκότας τὰ μέγιστα εἰς θεοὺς τε καὶ ὑμᾶς αὐτοὺς.

1. Parse: *κατηγορήσων*, *ἀνέβην*, *μετέπεισαν*, *ἀνελεῖσθαι*.
2. Write a note on *Callicratidas*.
3. Who were the *νεοδαμώδεις*?

## FRENCH AND GERMAN.

PROFESSOR RUDMOSE-BROWN.

## 1. Translate into English :—

*Either—*

Un soir des derniers jours du mois de mai, on frappa violemment à la porte. Toute la famille dormait. J'allai ouvrir. C'était mon ami V... 'Je viens te chercher, me dit-il. Voici une lettre de ta mère. Tu n'y résisteras pas. Les chevaux sont commandés pour minuit. Il est onze heures. Partons, ou tu ne partiras jamais. Ta mère en mourra. Tu sais combien ta famille la rend responsable de toutes tes fautes. Elle s'est tant sacrifiée pour toi; sacrifie-toi un moment pour elle. Je te jure que je reviendrai avec toi passer l'hiver et toute une autre longue année ici. Mais il faut faire acte de présence dans ta famille et d'obéissance aux ordres de ta mère.'

Je sentis que j'étais perdu.

'Attends-moi là,' lui dis-je.

Je rentrai dans ma chambre, je jetai à la hâte mes vêtements dans ma valise. J'écrivis à Graziella, je lui dis tout ce que la tendresse pouvait exprimer d'un cœur de dix-huit ans et tout ce que la raison pouvait commander à un fils dévoué à sa mère. Je lui jurais, comme je me le jurais à moi-même, qu'avant que le quatrième mois fût écoulé je serais auprès d'elle et que je ne la quitterais presque plus.

*Or—*

Bei diesem Worte musste man nun wieder den Mann sehen! Aus Blick und Ton sprach es mit ergreifender Deutlichkeit, wie da in seiner Seele bei dem Namen Beethoven eine ganze neue Welt aufstieg. Und wahrlich, eine neue Welt war einst für Wagner aufgegangen, als Beethoven in sein Leben trat. Hatte Weber im Gemüte des Knaben den Geist der Musik erweckt, so gab erst Beethoven dem heranreisenden Jünglinge Kraft und Bewusstsein für eigenes künstlerisches Leben und Schaffen; und durchaus in dieser neuen schöpferischen Welt hat Wagner, der Mann, seitdem mit einziger Treue fortgelebt und gewirkt. Wie diese Bedeutung Beethovens für Wagner jedem fühlbar ward, dem bei Wagners Direktion eines Beethovenschen Werkes jene neue Welt selbst sich einmal erschloss, so sprach sie auch überzeugend aus jedem kleinem Gelegenheitsworte des Meisters, wenn er nach lieber alter Gewohnheit daheim oft Beethovensche Musik vornahm und dann persönlich in lebendigster Weise sein eigenes Wort bestätigte, „dass man über Beethoven nicht reden könne ohne in den Ton der Verzückung zu fallen.“

## 2. Translate into French or German :—

The general was smoking his pipe in his office, when a captain came in. Having saluted the general, he asked what he was to do with the prisoners. 'Shoot them all!' cried the general. The captain did not wish to obey the general's order, but he was afraid to say anything, since the general was evidently very angry. The latter got up and



crossed the room, and, after a few moments, repeated his order. Then, suddenly, as if he had changed his mind, he added: 'Come and see me again to-morrow.' 'Am I to have them shot at once?' asked the captain. 'No,' replied the general, 'do nothing now.' Whereupon the captain departed.

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ENGLISH COMPOSITION.

MR. R. M. GWYNN.

Write an essay on *one* of the following subjects:—

1. Quentin's journey with the two ladies.
2. Louis and Charles.
3. The Ode on Wellington.
4. The Lady of Rmance.

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SUPPLEMENTAL FINAL FRESHMAN EXAMINATION  
AND SUPPLEMENTAL SENIOR FRESHMAN HILARY  
AND TRINITY EXAMINATIONS.

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MICHAELMAS TERM, 1919.

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ALGEBRA AND ARITHMETIC.

MR. FRASER.

1. Find the values of  $x, y, z$  which satisfy the equations

$$2x + 4y - 7z = 42$$

$$3x - y + 6z = -17$$

$$5x + 2y + 8z = -13.$$

2. Solve the equation

$$(x + 3)^4 + (x + 5)^4 - (x + 3)^2(x + 5)^2 - (x^2 + 8x + 17)^2 = 0.$$

3. Find approximately the values of  $x$  for which

$$2x(2 - x)^2 = \sqrt{3}.$$

4. Express

$$\frac{5 - \sqrt{5}}{(3 + \sqrt{5})(\sqrt{5} - 2)}$$

in its simplest form.

5. If  
prove that

$$x + y + z = 0,$$

$$\frac{1}{y^2 + z^2 - x^2} + \frac{1}{z^2 + x^2 - y^2} + \frac{1}{x^2 + y^2 - z^2} = 0.$$

6. A man walks 22 miles. During the first part of the journey he walks at the rate of 4 miles an hour, and during the second part at the rate of  $3\frac{1}{2}$  miles an hour. If he had interchanged his rates of walking, he would have walked 1 mile further. Find the time he is walking.

7. A basket of eggs is emptied by four persons. The first takes one, third, and three more; the second takes one-third of the remainder, and two more; the third takes one-third of the remainder, and two more; and the fourth takes one-third of the remainder, and four more. Find the number each took.

8. If silver be worth 4s. 3d. per ounce, and pure gold £4 5s. per ounce, what should be the weight of a £5 piece if it contained 90 per cent. by weight of gold and 10 per cent. of silver?

9. The area of a coal-field is  $937\frac{1}{2}$  sq. miles, and its average thickness is 20 feet.

A cubic yard of coal weighs one ton, and the annual output is 70,000,000 tons.

How long will the coal-field last?

10. A man buys a farm for £26,333 6s. 8d., and pays £20,000.

Find what he ought to pay at the end of two years, calculating compound interest at  $3\frac{1}{2}$  per cent.

### TRIGONOMETRY.

MR. HENRY.

1. If the moon's radius be taken as 1000 miles, and its distance from the earth as 240,000 miles, how many moons, placed one above the other, would reach from the horizon to the highest point of the sky?

2. If  $\tan A = \frac{1}{3}$ , find the value of  $\tan 3A$ .

3. Find all the angles between  $-180^\circ$  and  $360^\circ$  whose sine is  $-\frac{1}{2}$ .

4. Prove that in a plane triangle  $a = b \cos C + c \cos B$  with two similar equations, and find from these equations the value of  $\cos A$  in terms of  $a, b, c$ .

5. Obtain the value of  $\tan \frac{A}{2}$  in terms of the sides. If one of the sides is greater than the sum of the other two, show that  $\tan \frac{A}{2}$  is imaginary.

6. Prove the formula for  $\sin(A+B)$ , when  $A$  is obtuse, and  $A+B$  greater than  $180^\circ$ .

7. If  $A+B-C=90^\circ$ , show that

$$\sin 2A + \sin 2B - \sin 2C = 4 \cos A \cos B \cos C.$$

8. Find the length of the perpendiculars from vertices to opposite sides of the triangle whose sides are 5, 6, and 7.

9. Show how to solve, by the use of logarithms, a triangle when given two sides and the included angle.

10. Given  $\log 2 = .3010300$ , calculate, as accurately as you can, the difference between the logarithms of

$$\sqrt[4]{4} \quad \text{and} \quad \sqrt[5]{5}.$$

## LOGIC.

MR. MACRAN.

1. Explain and illustrate the difference between *connotation* and *denotation*.

Have Proper Names a connotation?

To what classes of statements do the following belong:—

(a) 'A science is rational, empirical, or practical';

(b) 'A square is a quadrilateral with four equal sides'?

Point out any defects you find in these statements.

2. Define Inference by Opposition, and distinguish its species.

What inferences can you draw by Opposition from the fact that 'everyone is not to be trusted'?

3. Prove—

(a) That the process of Simple Conversion cannot be applied to particular negative propositions.

(b) That a universal Conclusion cannot be drawn from a universal and a particular Premiss.

(c) That a universal Conclusion cannot be drawn from two Premisses in which the Middle Term is Subject.

(d) That an affirmative Conclusion cannot be drawn from two Premises in which the Middle Term is Predicate.

4. Construct examples of your own to illustrate the fallacies known as (a) *Petitio Principii*, (b) *Ignoratio Elenchi*, (c) *Many Questions*, (d) *Post hoc propter hoc*, (e) *Composition*.

5. Explain the difference between the Deductive and Inductive methods, and illustrate it by examples of their application in science.

On what two principles does Inductive reasoning rest?

## MECHANICS.

MR. WEBB.

1. A bar 12 feet long is supported on two props *A* and *B*, distant respectively 1 and 2 feet from the ends. Weights of 10 lbs. are attached at each end, a weight of 4 lbs. 2 feet from *A*, and one of 3 lbs. 3 feet from *B*. The bar weighs 18 lbs. Find the pressures on the props.

2. Find the least force which will just drag a small body weighing 20 lbs. along a rough horizontal floor, whose coefficient of friction is  $\frac{1}{4}$ , if the force is applied by pulling a string attached to the body, the string being inclined to the horizon at an angle whose tangent is  $\frac{3}{16}$ .
3. Find the weight of a body which is in equilibrium on a smooth inclined plane of height 5 and base 12, when acted on by a force of 7 lbs. weight up the plane, and one of 2 lbs. weight horizontally. Find also the reaction of the plane.
4. Describe the essential features of an accurate and sensitive balance. If a balance has arms of unequal length, how can the true weight of a body be found by it? Explain the reason for your answer.
5. What is a couple? What is its 'moment'? Why do we say 'the moment of a couple' and not 'its moment about a certain point'? Show that three forces acting along the sides of a triangle, and proportional to them, are equivalent to a couple whose moment is represented on the same scale by twice the area of the triangle.
6. With what velocity must a stone be thrown horizontally from a cliff 400 feet high so as to strike the ground at the base at a distance of 80 feet? Explain the principles involved.
7. A body is projected upwards (from a point in the air) with a velocity of 60 feet per second;  $2\frac{1}{2}$  seconds later another body is let fall from the same point. Find when the first body, in its downward flight, overtakes the second.
8. When is work said to be done by a force, and how is it measured? A mass  $m$  at rest is acted on by a constant force  $P$  until its velocity is  $v$ . Prove the work done by  $P$  is  $\frac{1}{2}mv^2$ .
9. Two smooth inclined planes are placed back to back, and their common height is 15 feet, and their lengths 25 and 39 feet respectively. Two equal masses are placed on them, and connected by a string passing over a smooth pulley at the common summit. Find the acceleration by writing down the equation of motion for each body, and not by using a formula.
10. Find what force will cause a body of 8 lbs. weight to travel round a circle of 20 feet radius 5 times a minute, taking  $\pi = 3.14$ , and therefore  $\pi^2 = 9.86$ .

*For Senior Freshman Supplementalists.*

[Questions 1 to 5 of the foregoing and the following.]

6. Find the force necessary to lift 10 lbs. by means of three movable and one fixed pulley with the system in which the end of each rope is attached to a fixed support. The pulleys each weigh 1 lb.
7. Prove that the sum of the moments of two forces (which are not parallel) about any point is equal to the moment of the resultant about the same point.



8. Distinguish between (*a*) the resultant of a number of forces, and (*b*) the force which would with them maintain equilibrium, and state the relation between (*a*) and (*b*). This point comes into the demonstration by experiment of the parallelogram of forces?

9. Find the position of the centre of gravity of five particles whose weights are 7, 3, 2, 5, 8 lbs.; whose distances from a given line are 6, 2, 7, 1, 5 feet, and from another given line perpendicular to the first are 3, 6, 1, 4, 2 feet.

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LATIN.

MR. KENNEDY.

I.

(For all Candidates.)

Translate into Latin;—

(*a*) Finding that they could no longer live in peace at Rome, they determined to leave the city, and found a separate settlement.

(*b*) The unhappy father prayed the decemvir to be allowed to speak one word to the nurse in his daughter's hearing.

(*c*) He boasted that he had only to stamp his foot, and armed men would spring from the soil of Italy.

(*d*) Among other honours which were paid to Lysander after death, the Spartans fined the suitors of his daughters, because when after his death his poverty was discovered, they refused to marry them, thus showing that they had paid their court to him when they believed him to be rich, and neglected him when his poverty proved him to have been just and honourable.

II.

(For Final Freshman Supplementalists.)

Translate into English:—

Hic primum paribus nitens Cyllenius alis  
Constitit : hinc toto praeceps se corpore ad undas  
Misit avi similis, quae circum litora, circum  
Piscosos scopulos humilis volat aequora iuxta.  
Haud aliter terras inter caelumque volabat  
Litus harenosum ad Libyae, ventosque secabat  
Materno veniens ab avo Cyllenia proles.  
Ut primum alatis tetigit magalia plantis,  
Aenean fundantem arces ac tecta novantem  
Conspicit. Atque illi stellatus iaspide fulva  
Esis erat Tyrioque ardebat murice laena  
Demissa ex umeris, dives quae munera Dido  
Fecerat, et tenui telas discreverat auro.

VIRGIL.

1. Parse—*nitens*, *secabat*, *tetigit*, *iaspide*, *discreverat*.

2. What anachronism is found in Book iv of the *Aeneid*?

*(For Trinity Supplementalists.)*

Translate into English :—

CH. Eloquere, isti tibi quid homines debent quos tu quaeritas?

SY. Pater istius adulescentis dedit has duas mihi epistulas, Lesbionici: is mihi amicus. CH. Teneo hunc manifestarium:

Me sibi epistulas dedisse dicit. Ludam hominem probe.

SY. Ita ut ocepi, si animum advortas, dicam. CH. Dabo operam tibi.

SY. Hanc me iussit Lesbionico suo gnato dare epistulam

Et item hanc alteram suo amico Callicli iussit dare.

CH. Mihi quoque edepol, quom hic nugatur, contra nugari lubet.

Ubi ipse erat? SY. Bene rem gerebat. CH. Ergo ubi? SY. In Seleucia.

CH. Ab ipson istas accepisti? SY. E manibus dedit mi ipse in manus.

CH. Qua faciest homo? SY. Sesquipede quiddamst quam tu longior.

CH. Haeret haec res, siquidem ego apsens sum quam praesens longior.

Novistin hominem? SY. Ridicule rogitas, quocum una cibum

Capere soleo. CH. Quid est ei nomen? SY. Quod dedepol homini probo.

CH. Lubet audire. SY. Illi edepol—illi—illi—vae misero mihi.

CH. Quid est negoti? SY. Devoravi nomen imprudens modo.

CH. Non placet qui amicos intra dentes conclusos habet.

SY. Atque etiam modo vorsabatur mihi in labris primoribus.

CH. Temperi huic hodie anteveni. SY. Teneor manifesto miser.

PLAUTUS.

1. Give the meaning of—*familia, cucullus, holitores, tarpeita, luscus*.

2. Give briefly the plot of the *Trinummus*.

*(For Hilary Supplementalists.)*

Translate into English :—

Postremo, Caesar in animum induxerat laborare, vigilare; negotiis amicorum intentus, sua negligere; nihil denegare, quod dono dignum esset; sibi magnum imperium, exercitum, novum bellum exoptabat, ubi virtus enitescere posset. At Catoni studium modestiae, decoris, sed maxime severitatis erat. Non divitiis cum divite, neque factione cum factioso: sed cum strenuo virtute, cum modesto pudore, cum innocente abstinencia certabat: esse, quam videri, bonus malebat: ita, quo minus gloriam petebat, eo magis sequebatur.—SALLUST.

1. Give the meaning of—*tetrarchae, proscriptio, homo novus, populares, inquilinus*.

2. What was the end of Catiline's life?

## GREEK.

DR. GOLIGHER.

(For Final Freshman Candidates.)

## I. Translate :—

τὸν δ' αὖτε προσέειπε διάκτορος Ἀργεϊφόντης·  
 “ὦ γέρον, οὐ πῶ τὸν γε κύνες φάγον οὐδ' οἰωνοί,  
 ἀλλ' ἔτι κείνος κεῖται Ἀχιλλῆος παρὰ νηϊ  
 αὐτῶς ἐν κλισίῃσι· δυωδεκάτῃ δέ οἱ ἦώς  
 κειμένῳ, οὐδέ τί οἱ χρῶς σήπεται, οὐδέ μιν εὐλαὶ  
 ἔσθουσ' αἶ βά τε φῶτας ἀρηϊφάτους κατέδουσιν.  
 ἦ μὲν μιν περὶ σῆμα ἑοῦ ἐτάριοιο φίλοιο  
 ἔλκει ἀκηδέστως, ἥως ὅτε διὰ φανήῃ·  
 οὐδέ μιν αἰσχύνει· θηοῖό κεν αὐτὸς ἐπελθὼν  
 οἶον ἐερσήεις κεῖται, περὶ δ' αἷμα νένιπται  
 οὐδέ ποθι μιαρὸς· σὺν δ' ἔλκεα πάντα μέμυκεν,  
 ὅσσ' ἐτύπη· πολέες γὰρ ἐν αὐτῷ χαλκὸν ἔλασσαν.  
 ὥς τοι κήδονται μάκαρες θεοὶ υἱὸς ἔηος,  
 καὶ νέκυός περ ἐόντος, ἐπεὶ σφι φίλος περὶ κῆρι.”

HOMER.

## 2. Parse: φάγον, φανήῃ, θηοῖο, ἐτύπη, ἔλασσαν.

3. Give the meaning of: τολυπεύειν, δηλήμονες, μολυβδαῖνη, σκύζεσθαι, γλήνεα, ἀλεωρή, πίσυρες, ἀπήνη, αἰσυμνητήρ, ἐπιβλήs.

4. What are the events described in the 24th Book of the *Iliad*?

(For Hilary Supplementalists.)

## I. Translate :—

ὥς δὲ εὐφρόνῃ ἐγεγόνεε, ἦν μὲν τῆς ὄρης μέσον θέρος, ἐγίνετο δὲ ὕδωρ  
 τε ἄπλετον διὰ πάσης τῆς νυκτὸς καὶ σκληραὶ βρονταὶ ἀπὸ τοῦ Πηλίου· οἱ  
 δὲ νεκροὶ καὶ τὰ ναυήγια ἐξεφορέοντο ἐς τὰς Ἀφετὰς, καὶ περὶ τε τὰς  
 πρώρας τῶν νεῶν εἰλέοντο καὶ ἐτάρασσον τοὺς ταρσοὺς τῶν κωπέων. οἱ δὲ  
 στρατιῶται οἱ ταύτῃ ἀκούοντες τὰῦτα ἐς φόβον κατιστέατο, ἐλπίζοντες  
 πάγῃ ἀπολέεσθαι ἐς οἷα κακὰ ἦκον· πρὶν γὰρ ἢ καὶ ἀναπνεῦσαί σφεας ἔκ  
 τε τῆς ναυηγίης καὶ τοῦ χειμῶνος τοῦ γενομένου κατὰ Πήλιον, ὑπέλαβε  
 ναυμαχίῃ καρτερῇ, ἐκ δὲ τῆς ναυμαχίης ὄμβρος τε λάβρος καὶ ρεύματα  
 ἰσχυρὰ ἐς θάλασσαν ὀρμημένα βρονταὶ τε σκληραί. καὶ τούτοισι μὲν τοιαύτη  
 νύξ ἐγίνετο, τοῖσι δὲ ταχθεῖσι αὐτῶν περιπλῶειν Εὐβοίαν ἢ αὐτὴ περ ἑοῦσα  
 νύξ πολλὰν ἦν ἔτι ἀγριωτέρῃ, τοσοῦτ' ὥσ' ἐν πελάγεϊ φερομένοισι  
 ἐπέπιπτε, καὶ τὸ τέλος σφι ἐγένετο ἄχαρι.—HERODOTUS.

2. (a) παραχρησάμενοι τὸν Βάκιδος χρησμὸν ὥς οὐδὲν λέγοντα. Translate. Who was Bakis? Describe and illustrate the attitude of Herodotus towards omens and oracles.

(b) ἐνθαῦτα εἶπας γνώμην γενναιοτάτην Τιγράνης ὁ Ἀρταβάνου δειλίην ὤφλε πρὸς βασιλέος. Translate. What was the γνώμη?

(c) ἐν τοῖσι ἀγῶσι οἱ προεξανιστάμενοι ραπίζονται. Give the English and the context of this sentence.

3. Write down all the non-Attic forms which occur in the passage set for translation, placing the Attic form beside each.

(For Trinity Supplementalists.)

1. Translate:—

- XO. τί δρᾶς; τοιαύτης συμφορᾶς προκειμένης,  
Ἄδμητε, τολμᾶς ξενοδοκεῖν; τί μῶρος εἶ;  
ΑΔ. ἀλλ' εἰ δόμων σφε καὶ πόλεως ἀπήλασα  
ξένον μολόντα, μᾶλλον ἂν μ' ἐπῆνεσας;  
οὐ δῆτ', ἐπεὶ μοι συμφορὰ μὲν οὐδὲν ἂν  
μείων ἐγίγνεται, ἀξενώτερος δ' ἐγώ.  
καὶ πρὸς κακοῖσιν ἄλλο τοῦτ' ἂν ᾦν κακόν,  
δόμους καλεῖσθαι τοὺς ἐμοὺς ἐχθροξένους.  
αὐτὸς δ' ἀρίστου τοῦδε τυγχάνω ξένου,  
ὅταν περ Ἄργους διψίαν ἔλθω χθόνα.  
XO. πῶς οὖν ἐκρυπτες τὸν παρόντα δοίμονα,  
φίλου μολόντος ἀνδρός, ὥς αὐτὸς λέγεις;  
ΑΔ. οὐκ ἂν ποτ' ἠθέλησεν εἰσελθεῖν δόμους,  
εἰ τῶν ἐμῶν τι πημάτων ἐγνώρισε.  
καὶ τῇ μὲν, οἴμαι, δρῶν τάδ' οὐ φρονεῖν δοκῶ,  
οὐδ' αἰνέσει με· τὰ μὰ δ' οὐκ ἐπίσταται  
μέλαθρ' ἀπωθεῖν οὐδ' ἀτιμάζειν ξένους.

EURIPIDES.

2. Write out the first three lines of the above passage, marking feet and quantities, and noting any metrical peculiarities.

3. Parse and give the principal parts of: ἀπήλασα, μολόντα, ἐπῆνεσας, ἔλθω, ἀπωθεῖν.

4. Write an Essay on the character of Admetus, as represented in the *Alcestis*.

FRENCH AND GERMAN.

PROFESSOR RUDMOSE-BROWN.

1. Translate into English:—

*Either—*

— Monsieur, cria le capitaine en relevant sa moustache, j'ai tout supporté patiemment, mais voici qui passe la mesure!

— Quelle mesure, s'il vous plaît? répondit le nouveau venu.

— Mais, monsieur, ne pouviez-vous pas entrer dans un autre compartiment? Vous voyez bien que nous étouffons ici!

— Tant mieux, monsieur; les nuits sont fraîches.

Au même instant, un employé de la gare ouvrit la portière en disant:

— Cinq, six, sept; une place! Par ici, messieurs, s'il vous plaît!

Le capitaine se leva d'un bond et cria:

— Mais, monsieur, ça n'a pas de nom! J'ai pris les premières pour être seul avec ma fille, et vous nous empilez comme des harengs!

— Pardon, Monsieur, il y a huit places.

— Mais, monsieur, si nous sommes huit, comment ferons-nous pour tendre nos jambes?



Or—

## VORIGE, TRUDCHEN

(bringt Wein und noch ein Gedeck, das sie auflegt).

*Arnold.* Trudchen, hast du meiner Frau beim Kochen geholfen?*Trudchen.* Nein; die gnädige Frau hat alles selbst gemacht, ich durfte nicht an den Kochofen. (Ab.)*Seeberg.* Auch diese Hoffnung fehlgeschlagen! Das Hausmädchen hätte vielleicht noch etwas gewusst.*Arnold.* Du thust aber doch, als soltest du vergiftet werden.*Seeberg.* Lieber Freund, ich bin heute morgen nicht zu einem ordentlichen Frühstück gekommen und das lässt mir die Aussicht auf dein Mittagessen in so trüben Lichte erscheinen. Hätte ich die Broschüre morgen geholt!*Arnold.* Seeberg!*Seeberg.* Was?*Arnold.* Nimm dich doch etwas zusammen!*Seeberg.* Ich werde mein möglichstes thun.

## 2. Translate into French or German :—

When she had left the room, the schoolmaster resumed the conversation by saying,—

‘I do not like Lucy’s going out so much in the evening. She is really very pretty.’

Then there was another pause, after which he added,—

‘My dear wife, one thing puzzles me exceedingly.’

‘And what is that?’

‘It is to know what that man does with all the old boots he picks up about the village. I met him again this evening.’

‘But what has that to do with Lucy?’

‘Nothing. It only occurred to me at the moment; and I never can imagine what he does with so many old boots.

## DUTCH.

## DR. GOLIGHER.

## I. Translate into English :—

Nadat zijn moeder was komen te sterven en broers en zusters evenals hij de wereld in waren, ging Hein, die goed geld verdiende, nu en dan, zooals men 't noemt, er wel eens van door, maar toch maakte hij 't niet zoo bont, dat een fatsoenlijk dienstmeisje, aan wie hij door een kameraad kennis kreeg, er bezwaar in zag hem hare hand te reiken.

Naatje Willems was een flinke, heldere meid, die geleerd had de handen uit de mouw te steken, een zachte inborst bezat, en een goed humeur benevens een latafel vol ondergoed en een kostelijk bed mee ten huwelijk bracht.

De eerste jaren van hun huwelijk waren vrij gelukkig. Hein werd tweemaal vader, en als hij 's avonds te huis kwam, zag hij een vroolijk, vriendelijk gelaat en lachte hem een eenvoudig maar zindelijk toebereid

maal tegen—want Naatje wist met het weinige wat ze te harer beschikking had te woekeren. Wel verdonkerde nu en dan eene wolk den helderen horizon van hun huwelijkshemel, namelijk dan, wanneer Hein er ouder gewoonte nog eens weer ‘van door’ging.’—JUSTUS VAN MAURIK.

2. Translate into Dutch :—

King Alfonso of Spain possesses a remarkable collection, consisting of objects by which his life has been at some time or other endangered. One of these objects is a stone: it comes from San Sebastian, and was once the doorstep of a little tavern. Two years ago the king was strolling through the narrow street where the tavern stood. The owner was engaged in cleaning up the public room, and had set the tables and chairs in the street for the time being. The king found it impossible to get past them; and as he had no desire to turn back, he began with his own hands to help the innkeeper with his tidying. While he was doing so, his shoe caught upon something, and he fell with his head against the doorstep. The blow stunned him, and when he recovered consciousness he bought the doorstep for his museum, on the ground that it might have cost him his life.

3. (a) Construct sentences (which must be translated into English) to illustrate idiomatic uses of—willen, laten, mogen; and of the prepositions—aan, met.

(b) What are the chief points of difference between European and South African Dutch?

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ENGLISH ESSAY.

MR. ALTON.

[Choose one subject.]

*For Final Freshmen.*

1. Shakespeare's treatment of his historical material in *Richard III.*
2. The ruling passion of Richard III.
3. Thackeray's estimate of Swift's genius.
4. Goldsmith as poet.

*For Hilary Supplementalists.*

1. Goldsmith's portrayal of Lofty.
2. The female characters in *The Good-Natured Man.*
3. The strong man at home and abroad.
4. Oriental statecraft.

*For Trinity Supplementalists.*

1. George Eliot's skill in the exposition of the development of character.
2. Caterina.
3. The beginnings of the English army.
4. The conditions of the lower orders of society in the seventeenth century.

## JUNIOR SOPHISTERS.

## MATHEMATICAL PHYSICS.

MR. H. THRIFT.

1. A uniform beam  $AB$ , 10 feet long, weighing 44 pounds, rests horizontally on two props. Weights of 5, 7, 9, 3, 12 pounds are hung on at distances of 0, 3, 4, 6, 10 feet respectively from  $A$ . If one prop is 2 feet from  $A$ , where must the other prop be placed in order that the pressures on the two props may be the same?

2. Find the force acting parallel to the base of a rough inclined plane which is just sufficient to prevent a mass of 82 pounds from sliding down the plane.

The height of the plane is 5 feet, the length 13 feet, and the coefficient of friction  $\frac{1}{3}$ .

3. Two scale-pans each of mass 12 ounces, are connected by a light string passing over a smooth pulley. If masses of 8 ounces and 4 ounces are placed one in each pan, find the pressures of the masses on the pans during the ensuing motion.

4. A stone is projected with a velocity of 36 feet per sec. over a horizontal sheet of ice, and travels a distance of 450 yards before coming to rest. Determine the coefficient of friction if the resistance of the air is neglected.

5. A common hydrometer, whose zero reading is at the top of the stem reads 12 in water and 36 in a liquid whose specific gravity is 1.25. What is the specific gravity of a liquid in which it reads 24?

6. When the reading of the true barometer is 30 inches, the reading of a barometer, the tube of which contains a small quantity of air whose length is then  $2\frac{1}{4}$  inches, is 29 inches. If the reading of the true barometer falls to 29 inches, find the reading of the faulty barometer.

7. The area of the cross-section of the barrel of a common pump is 30 times that of the pipe, the length of the stroke being  $1\frac{1}{2}$  feet. Is the height of the bottom of the barrel above the level of the water in the well is 24 feet, how far will the water have risen in the pipe at the end of the first stroke, the height of the water-barometer being 34 feet?

8. In the case of a concave mirror prove the formula

$$\frac{1}{D} + \frac{1}{d} = \frac{2}{r}.$$

Show that by a proper convention of signs the same formula holds for a convex mirror.

9. Explain why an object in water appears to be at a less depth than it really is, and find the connexion between the real and apparent depth.

10. Describe the astronomical telescope, and find the magnifying power when the observer's eye is capable of bringing parallel light to a focus on the retina.

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#### ASTRONOMY.

MR. WEBB.

1. How and to what extent are the *positions in space* and the *mutual distances* of heavenly bodies represented on the observer's celestial sphere?

This sphere, with the equator, horizon, pole, zenith, and cardinal points marked thereon, is usually drawn in Parker's book not as it appears to the observer, but as it would appear from a great distance to the east of and somewhat above the horizon of the observer. Show your understanding of this mode of representation by drawing the sphere of an observer at  $45^\circ$  N. Lat. as it would appear

(a) from a distant point in the observer's zenith;

(b) from a distant point north and slightly above his horizon.

2. By what observations is it inferred that the annual orbit of the Earth about the Sun is (a) a plane curve, and (b) an ellipse?

3. Explain the construction of a sundial, and state *all* the corrections that have to be taken into account if you are to use it to set your watch right.

Given that the equation of time varies from  $+14' 28''$  to  $-16' 21''$ , find the most westerly longitudes in the British Isles at which it is ever possible for the Sun to be south at civil noon.

4. State with explanations—

(a) At what time of year will a full moon rise earliest in the evening?

(b) How, by merely looking at a half-moon, do you know whether she is waxing or waning?

(c) How would you roughly tell (without instruments) when a planet is in opposition?



5. Write a note on eclipses of the Moon, mentioning the meaning of the major and minor ecliptic limits.

6. Describe the methods (other than by observations of their meridian transit) whereby the angular distance between two objects can be very accurately determined.

7. How is the period of the Sun's rotation on its axis determined? Distinguish the synodic from the true period, and state their magnitudes approximately. In this connection what is meant by the 'equatorial acceleration'?

8. State what you know as to the determination of the proper motions of stars.

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GREEK.

MR. CANNING.

Translate:—

τὰ μὲν σ' ἐπαινῶ κοῦδαμῇ λήξω ποτέ  
προθυμίας γὰρ οὐδὲν ἐλλείπεις. ἀτὰρ  
μηδὲν πόνει· μάτην γὰρ οὐδὲν ὠφελῶν  
ἐμοὶ πονήσεις, εἴ τι καὶ πονεῖν θέλεις.  
ἀλλ' ἡσύχαζε σαυτὸν ἐκποδῶν ἔχων·  
ἐγὼ γὰρ οὐκ εἰ δυστυχῶ, τοῦδ' οὐνεκα  
θέλωιμ' ἂν ὥς πλείστοισι πημονὰς τυχεῖν.  
οὐ δῆτ', ἐπεὶ με χαῖ κασιγνήτου τύχαι  
τείρουσ' Ἀτλαντος, ὃς πρὸς ἐσπέρους τόπους  
ἔστηκε κίον' οὐρανοῦ τε καὶ χθονὸς  
ὦμοις ἐρείδων, ἄχθος οὐκ εὐάγκαλον.

ÆSCHYLUS.

Parse any *six* verbs in the passage.

---

LATIN.

MR. LUCE.

[A.]

Translate:—

Nempe in composito dixi pede currere versus  
Lucili. Quis tam Lucili fautor inepte est  
Ut non hoc fateatur? At idem, quod sale multo  
Urbem defricuit, charta laudatur eadem.  
Nec tamen hoc tribuens dederim quoque cetera: nam sic  
Et Laberi mimos, ut pulchra poemata, mirer.  
Ergo non satis est risu diducere rictum  
Auditoris (et est quaedam tamen hic quoque virtus);

Est brevitæ opus, ut currat sententia, neu se  
 Impediat verbis lassas onerantibus aures :  
 Et sermone opus est modo tristi, saepe iocoso,  
 Defendente vicem modo rhetoris atque poetæ,  
 Interdum urbani, parcentis viribus atque  
 Extenuantis eas consulto    Ridiculum acri  
 Fortius et melius magnas plerumque secatur res.—HORACE.

1. Mention the chief points in Horace's criticism of the *old comedy*.

2. Explain:—

(a) Sic me servavit Apollo.

(b) Militibus promissa Triquetra.

3. Describe Horace's travelling companions in the journey to Brundisium.

[Candidates to attempt *either B or C.*]

[B.]

Translate into English:—

Addit hæc, quæ certe vera sunt, fortes et sapientes viros non tam præmia sequi solere recte factorum quam ipsa recte facta; se nihil in vita nisi præclarissime fecisse, si quidem nihil sit præstabilius viro quam periculis patriam liberare; beatos esse quibus ea res honori fuerit a suis civibus; nec tamen eos miseros qui beneficio cives suos vicerint; sed tamen ex omnibus præmiis virtutis, si esset habenda ratio præmiorum, amplissimum esse præmium gloriam; esse hanc unam quæ brevitatem vitæ posteritatis memoria consolaretur, quæ efficere ut absentes adessemus, mortui viveremus; hanc denique esse cuius gradibus etiam in coelum homines viderentur adscendere.—CICERO.

[C.]

*For Latin Composition.*

When the troops were drawn up, Caesar's horse was brought to him. Upon which he said, 'When I have won the battle, I shall want my horse for the pursuit; at present, let us march as we are against the enemy.' Accordingly, he charged them with great vigour on foot. It cost him a long and severe conflict to drive their army out of the field; but he found the greatest difficulty when he came to their rampart of carriages; for not only the men made a most obstinate stand there, but the very women and children fought till they were cut in pieces; so that the battle did not end before midnight.

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FRENCH.

PROFESSOR RUDMOSE-BROWN.

1. Translate into English:—

Quand les deux jeunes gens entrèrent dans la boutique du fleuriste de la rue d'Antibes, à Cannes, ils venaient de goûter pleinement la divine impression de la belle matinée d'hiver, et qui ne connaît le charme

méridional de ces matinées-là, dont même les printemps du Nord n'ont point la douceur? L'air était léger, la lumière heureuse. De coquette voitures passaient, attelées de petits chevaux dont le trot sonnait gaiement sur les dalles de la longue rue, et, dans ces voitures, des femmes souriaient au soleil, étrangères pour la plupart, comme il était aisé de le reconnaître à ce je ne sais quoi d'exotique auquel des yeux de français ne se trompent guère. Mais les deux jeunes gens ne se retournèrent pas vers les promeneuses, car aussitôt la porte de la boutique refermée sur eux, la fraîcheur de cette salle ombreuse les saisit. C'était, dans cette boutique, plus longue que large, comme une agonie de parfums, enivrante et délicieuse.

2. Translate into French :—

One Sunday afternoon he came to see us, thinking by mistake that Uncle William and Uncle Henry were there, but they weren't, and his manner seemed so strange that I was certain there was something that he was trying to say. At last quite suddenly he said that there was something that he wanted to ask me if I wouldn't think it a liberty. My breath stopped and I couldn't speak, and then he went on to ask if he might lend us twenty-five dollars. He got very red in the face when he said it, and he began counting out the money on the sofa. But I told Mr. Peters that of course we couldn't think of taking any money, and I begged him to pick it up again, and then I began to try to tell him how hard it was to get along and to ask him to get work for Uncle William, but I started to cry again.

---

PSYCHOLOGY.

MR. ROGERS.

1. How does Höffding criticize the assumption that Mind is a Substance?

2. What four different theories as to the relation between Mind and Body does he mention?

Which does he accept, and why?

3. Why does he assume unconscious mental activity?

4. What is his division of mental elements?

Explain his assertion that a psychological division is of elements, not of states.

5. What are his three laws of Association of Ideas? Give examples of each.

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HISTORY.

MR. BASTABLE.

[Five questions to be selected.]

1. Give a clear account of the legislative measures of Henry II. How did they affect the further development of English institutions?

2. 'From the war with Scotland sprang the hundred years' struggle with France.' Explain and discuss this assertion. What were the early events of the French struggle?

3. What were the causes that led to the establishment of the New Monarchy? Illustrate the operation of the new mode of government.

4. Give a short account of the relations between Ireland and England in the fourteenth century.

5. Estimate the amount of truth in the statement that 'never had the fortunes of England sunk to a lower ebb than at the moment when Elizabeth mounted the throne.'

6. Sketch the political action of any *one* of the following:—William Laud; John Pym; Thomas Wentworth.

7. Compare the provisions of the treaty of Ryswick with those of the Treaty of Utrecht. What was the attitude of the English parties towards the latter Treaty?

8. 'England had never played so great a part in the history of mankind as now' (1759). What is the evidence in support of this statement?

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#### EDUCATION.

MR. HENRY.

1. 'How to work and how to worship—these were the twin objects of primitive education.' Explain fully.

2. What place did the family play in the training of youth in Sparta, Athens, and Rome respectively?

3. 'Greek education was for a ruling class, and gives little help in the modern problem of educating a democracy.' How far are these statements true?

4. What kind of freedom does Dr. Montessori insist upon? Is she consistent in repressing anti-social actions?

5. Illustrate the difference between instinct and educability, and point out how the educator may yet make use of instinct.

6. Indicate the chief principles which should regulate (a) diet, (b) clothing, (c) occupation of children from four to six.

(*Hilary Supplementalists.*)

7. Explain and criticize the attitude of the early Christian educators towards the works of pagan authors.

8. Analyze the monastic and knightly ideals, and trace the influence of each upon the English public school.

9. Summarize the relative advantage of informal and formal training, and examine the various modern methods of bridging the gap between home and school.



10. Illustrate the function of organization in promoting efficient recall by reference to the 'rational' method of teaching geography.

11. What are the chief dangers from the point of view of hygiene to be feared from school life, and how may they be guarded against?

12. How should co-ordination be effected between the primary and the secondary school?

*Trinity Supplementalists.*

13. Discuss the various meanings of the phrase 'education according to nature,' with particular reference to Comenius and Rousseau.

14. For what reasons was Latin replaced by the vernacular as a basis of general instruction in school?

15. Compare the ideals and methods of the Jesuit and the Port-Royal educators.

16. Examine the various methods of studying child psychology. How far is it correct to say that the child is non-moral?

17. 'Of all educational fanatics the worst are those who lay undue stress on developing the power of observation.' Explain and criticize.

18. Sketch a lesson in physics or geography to illustrate the process of framing and testing hypotheses.

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ENGLISH COMPOSITION.

MR. ALTON.

[Chose *one* subject.]

1. Elizabeth's home and foreign policies.

2. Dickens' picture of revolutionary France.

GENERAL EXAMINATION FOR THE DEGREE OF  
BACHELOR OF ARTS.

## MATHEMATICAL PHYSICS.

MR. H. THRIFT.

1. What force  $P$  acting parallel to the base of a rough inclined plane 5 feet long and 3 feet high in conjunction with a force  $2P$  acting along the plane is just sufficient to move a slider of mass 15 pounds up the plane, taking the coefficient of friction to be  $\frac{1}{3}$ ?

2. A uniform ladder 13 feet long weighing 36 pounds rests on a rough horizontal plane and against a rough vertical wall with its end tied by a rope 12 feet long to the base of the wall. If the coefficient of friction for each contact is  $\frac{1}{3}$ , find the smallest tension in the rope necessary to prevent the ladder from slipping.

3. A train of mass 150 tons is running at the rate of 30 miles per hour down an incline of 1 in 112. If frictional forces are 10 pounds weight per ton mass of the train, what external force must be applied to bring the train to rest in half a mile?

4. Two strings pass over a smooth pulley. On one side they are connected to masses of 5 and 4 pounds respectively, and on the other side to a mass of 7 pounds. Find the acceleration of the system and the tensions of the strings.

5. A mass of 8 pounds is moving due east with a velocity of 40 feet per second when it begins to be acted on by a constant force. After 4 seconds it is moving with a velocity of 96 feet per second due north. Find the magnitude and direction of the force.

6. Prove that the resultant thrust on a plane surface immersed in a liquid is equal to the weight of a column of the liquid whose base is equal to the area of the surface and whose height is the depth of the centre of gravity of the surface.

7. How far must a cylindrical diving-bell 18 feet high, 30 square feet in section, be lowered into a lake so that the water shall rise 6 feet inside the bell when the height of the water barometer is 34 feet?

If the bell weighs 30,000 pounds, what is the tension of the chain supporting it?

8. The stem of a hydrometer is divided into 100 equal divisions, the 100 mark being at the top. If the instrument sinks to the mark 30 in water, and to the mark 0 in a liquid of sp. gravity 1.1, find the density of a liquid in which it sinks to the mark 60.

9. Explain by diagrams how the position and size of the image of an object in a concave mirror will change as the distance of the object from the mirror changes.

10. If light falls on a prism of angle  $A$  in such a manner that the angles at which it enters and leaves the prism are equal, show that

$$\mu = \frac{\sin \frac{A + \delta}{2}}{\sin \frac{A}{2}}$$

where  $\mu$  is the index of refraction of the material of the prism, and  $\delta$  is the deviation produced in the ray.

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ASTRONOMY.

MR. WEBB.

1. Draw diagrams to show

(a) That the day is always twelve hours long at the equator.

(b) That at a given place in the tropics (not on the equator) the sun is in the zenith at noon twice in the year, but that these are not the longest days.

2. How can the times at which the earth crosses the apse line of its orbit be determined? How does this line move? On account of its present proximity to the line of solstices, show that spring is very nearly equal in length to summer, and autumn to winter.

3. Explain clearly the small changes in the apparent position of a star during the year which arise from the earth's velocity in its orbit being very fast. Indicate on a diagram the direction of the displacement for a given star on a given day.

4. Explain the construction of a sun-dial. On July 15th, 1919, at a place in Ireland  $8^{\circ}$  W. longitude, I wanted to find civil time by means of the dial when the shadow just reached the 10 a.m. line, knowing that the equation of time that day was + 6 minutes. What was the civil time?

5. A lunation =  $29\frac{1}{2}$  days; major solar ecliptic limit =  $18^{\circ}$ ; synodical period of moon's node = 346 days.

Show from these data that it is possible for two solar eclipses and one lunar eclipse to occur at one node and the same again at the next node.

6. Distinguish between stars 'optically' and 'physically' double. State what you know as to the determination of the orbits of binary stars, with special reference to the case of Sirius.

7. Write a short account of the *physical* nature of comets, i.e. their constitution, dimensions, density, luminosity.

8. (a) What has happened to the air and water (if any) once possessed by the moon?

(b) What is the spectrum of the moon like?

(c) How bright is the moon compared with the sun?

(d) What cause has been suggested for a sudden increase in brightness at the time of full moon out of proportion to the increase in phase?

## GREEK.

MR. KENNEDY.

Translate:—

ἄρ' οὖν ἦν δ' ἐγώ, ὦ Γλαύκων, τούτων ἕνεκα κιριωτάτῃ ἐν μουσικῇ τροφῇ, ὅτι μάλιστα καταδύεται εἰς τὸ ἐντὸς τῆς ψυχῆς ὃ τε ῥυθμὸς καὶ ἁρμονία, καὶ ἐρῶμενέστατα ἅπτεται αὐτῆς φέροντα τὴν εὐσχημοσύνην, καὶ ποιεῖ εὐσχήμονα, ἐάν τις ὀρθῶς τραφῇ, εἰ δὲ μή, τοὐναντίον; καὶ ὅτι αὐτῶν παραλειπομένων καὶ μὴ καλῶς δημιουργηθέντων ἢ μὴ καλῶς φύντων ὀξύτατ' ἂν αἰσθάνοιτο ὁ ἐκεῖ τραφεὶς ὥς ἔδει, καὶ ὀρθῶς δὴ δυσχεραίνων τὰ μὲν καλὰ ἐπαινοῖ καὶ χαίρων καὶ καταδεχόμενος εἰς τὴν ψυχὴν τρέφοιτ' ἂν ἀπ' αὐτῶν καὶ γίγνοιτο καλὸς τε καὶ ἀγαθος, τὰ δ' αἰσχροὺς ψέγοι τ' ἂν ὀρθῶς καὶ μισοῖ ἔτι νέος ὢν, πρὶν καὶ λόγον δυνατὸς εἶναι λαβεῖν, ἐλθόντος δὲ τοῦ λόγου ἀσπάσζοιτ' ἂν αὐτὸν γνωρίζων δι' οἰκειότητα μάλιστα ὁ οὕτω τραφεὶς; Εμοὶ γοῦν δοκεῖ, ἔφη, τῶν τοιούτων ἕνεκα ἐν μουσικῇ εἶναι ἡ τροφή.

1. Parse—ἐρῶμενέστατα, τραφῇ, φύντων, αἰσθάνοιτο, μισοῖ.
2. Give the meaning of—ὑποκοριζόμενοι, ἀπειροκαλία, ὀξύρροπος, κατάστασις, στέγειν.
3. How is Gymnastic to resemble Music?
4. What three precautions are mentioned at the end of Book III, lest the Guardians should become wolves instead of watch-dogs?

## LATIN.

MR. LUCE.

[Candidates to attempt A, and either B or C.]

[A.]

Syllaba longa brevi subiecta vocatur iambus,  
 Pes citus; unde etiam trimetris accrescere iussit  
 Nomen iambeis, quum senos redderet ictus  
 Primus ad extremum similis sibi. Non ita pridem,  
 Tardior ut paullo graviorque veniret ad aures,  
 Spondeos stabiles in iura paterna recepit  
 Commodus et patiens, non ut de sede secunda  
 Cederet aut quarta socialiter. Hic et in Acci  
 Nobilibus trimetris apparet rarus, et Enni  
 In scenam missos cum magno pondere versus,  
 Aut operae celeris nimium curaue carentis,  
 Aut ignoratae premit artis crimine turpi.  
 Non quivis videt immodulata poemata iudex,  
 Et data Romanis venia est indigna poetis.  
 Idcircone vager scribamque licenter? an omnes  
 Visuiros peccata putem mea, tutus et intra  
 Spem veniae cautus? Vitavi denique culpam,  
 Non laudem merui. Vos exemplaria Graeca  
 Nocturna versate manu, versate diurna.

HORACE.



1. Write a note on Ennius.
2. Sketch the life and character of Horace.
3. Explain :—
  - (a) *Graecia barbariae lento collisa duello.*
  - (b) *Hic multum in Fabia valet, ille velina.*
  - (c) *Cognomen veritas in risum et fabula fias.*
  - (d) *Vertumnum Ianumque, liber, spectare videris.*

[B.]

Translate into Latin :—

One Musonius Rufus, a man of equestrian rank, strongly attached to the pursuit of philosophy and to the tenets of the Stoics, had joined the envoys. He mingled with the troops, and, enlarging on the blessings of peace and the perils of war, began to admonish the armed crowd. Many thought it ridiculous; more thought it tiresome; some were ready to throw him down and trample him under foot, had he not yielded to the warnings of the more orderly and the threats of others, and ceased to display his ill-timed wisdom.

[C.]

Translate into English :—

*Litterae Quinti fratris et T. Pomponii, necessarii mei, tantum spei dederant, ut in te non minus auxilii quam in tuo collega mihi constitutum fuerit. Itaque ad te litteras statim misi, per quas, ut fortuna postulabat, et gratias tibi egi et de reliquo tempore auxilium petii. Postea mihi non tam meorum litterarum quam sermones eorum, qui hac iter faciebant, animum tuum immutatum significabant: quae res fecit ut tibi litteris obstrepere non auderem. Nunc mihi Quintus frater meus mitissimam tuam orationem, quam in senatu habuisses, perscripsit, qua inductus ad te scribere sum conatus et abs te, quantum tua fert voluntas, peto quaeque, ut tuos mecum serves potius quam propter adrogantem crudelitatem tuorum me oppugnes.—CICERO.*

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FRENCH AND GERMAN.

PROFESSOR RUDMOSE-BROWN.

1. Translate into English :—

*Either,—*

N'est-il pas arrivé à ces auteurs du xvii<sup>e</sup> siècle, au lieu de transposer simplement en vers ou en prose les modèles plastiques qui s'offraient à leur vue, de s'en affranchir quelquefois et de percevoir d'eux-mêmes pour l'art futur des thèmes nouveaux et féconds?

Au xviii<sup>e</sup> siècle, c'est, par les pères de Watteau, cette mélancolie des crépuscules qui vient s'ajouter au charme des colloques amoureux. C'est le paysage de Lancret, de Boucher, dans son imprécision sereine, avec son dessin capricieux, l'agréable perspective de ses lointains bizarres : et ce paysage déjà nous souriait derrière la grotte de Calypso.

Mais bientôt le peintre du xix<sup>e</sup> siècle fait réapparaître la figure de l'homme au milieu du cadre de la nature; il l'y érige sur le plan principal. C'est le paysan de Millet. Et alors on constate que non seulement La Bruyère avait déjà perçu la silhouette de ce paysan, mais que les regards qu'il lui arrivait de porter sur le spectacle de la nature avaient comme la large vision du peintre du *Semeur*.

*Or,—*

Die Leidenschaft bringt Leiden!—Wer beschwichtigt  
Beklommnes Herz, das allzuviel verloren?  
Wo sind die Stunden, überschnell verflüchtigt?  
Vergebens war das Schönste dir erkoren!  
Trüb ist der Geist, verworren das Beginnen;  
Die hehre Welt, wie schwindet sie den Sinnen!

Da schwebt hervor Musik mit Engelschwingen,  
Verflucht zu Millionen Tön' um Töne,  
Des Menschen Wesen durch und durch zu dringen,  
Zu überfüllen ihn mit ew'ger Schöne:  
Das Auge netzt sich, fühlt im höhern Sehnen  
Den Götterwert der Töne wie der Tränen.

Und so das Herz erleichtert merkt behende,  
Dass es noch lebt und schlägt und möchte schlagen,  
Zum reinsten Dank der überreichen Spende  
Sich selbst erwidern willig darzutragen.  
Da fühlte sich—o dass es ewig bliebe!—  
Das Doppelglück der Töne wie der Liebe.

GOETHE.

## 2. Translate into French or German :—

On Monday, May 21st, I left Cormelles at half-past four in the morning, on a visit to Upper Normandy. Crossing the fields, which were covered with a dew as heavy as that which falls in Hermon, I met the diligence at Mondeville. The morning was overcast and cold, and the country, though covered with rich verdure, had a sombre and uninteresting appearance. My companions were—a citizen of Caen, a peasant from beyond Bayeux, and two young men of respectable appearance, from some more remote part of Lower Normandy.

As we approached Troarn, where there is a small but very ancient church, the country assumed a more broken and picturesque aspect, being lighted up by the morning sun, which had now scattered the clouds, and was shining in all its brilliance. From Troarn we descend, by a very romantic road, into a deep and broad valley, the meadows of which are wholly covered with water in winter, and abound in all sorts of game known in the country.

## PSYCHOLOGY.

MR. ROGERS.

[Full marks for FIVE questions.]

1. What are the difficulties in the introspective method in psychology?  
How far can they be overcome?

2. What is the 'identity hypothesis' of the relation between Mind and Body?

Why is Höfding driven to accept it?

3. What difficulties in the 'identity hypothesis' lead him to the hypothesis of unconscious mental activity?

4. State and explain Fechner's law connecting sensation with stimulus.

What is the law of relativity for sensation?

5. How does Ethical feeling arise?

6. State and criticise Schopenhauer's theory of pleasure.

7. In what sense is consciousness of Willing possible?

8. Distinguish between determinism and indeterminism.

Which do you prefer, and why?

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ETHICS.

DR. GOLIGHER.

[Choose FIVE questions.]

1. Explain fully the statement that Exclusive Egoism has to face the weightiest problem of pure Ethics.

2. Set forth in detail the Platonic conception of the Cardinal Virtues.

3. Write a short essay on Aristotle's view of the ideal life.

4. Set forth and criticise the doctrine of Rational Intuitionism.

5. Compare Shaftesbury's Ethics with Butler's.

6. Show clearly how Hume influenced the growth of modern Ethical Theory.

7. Describe Kant's most important positive contributions to Ethical philosophy.

8. Give an account of Hegel's Theory of Social Ethics.

9. Write a general criticism of Utilitarianism.

10. State and consider Spencer's Theory of Justice.

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POLITICAL AND ECONOMIC SCIENCE.

MR. BASTABLE.

[Five questions to be selected; not more than three to be taken from either section.]

SECTION A.

1. Explain the character of economic laws. Comment on the statements (a) that economic laws express tendencies, (b) that regulation of prices is a violation of the laws of political economy.

2. Show the importance of maintaining an adequate bank reserve.

How is the reserve of the Bank of England affected by the actual economic conditions?

3. Consider the effect of agricultural improvements on rent, distinguishing between the immediate and the more remote effects.

4. Explain the significance of the following rates of exchange:—

(a) Paris, cheques, 43.20,

(b) New York, cable, 3.69.

5. Discuss the proposition that 'taxation should be in proportion to the sacrifice that it involves.' Notice any difficulties that occur in applying this standard.

### SECTION B.

6. Bring out clearly the connexion between the cabinet system and the party system in the working of English government.

Is it correct to describe the cabinet as a committee?

7. It has been said that 'we live under a system of tacit understandings; but the understandings themselves are not always understood.'

Explain and illustrate this saying.

8. How far is it true that the root-idea of 'limited monarchy' lies imbedded in English institutions? Give a definition of 'limited monarchy.'

9. Consider the form of government most suitable for (a) communities in a state of savage independence, (b) communities in a servile condition.

10. Sketch briefly Mill's view as to the best form of government for India. How far is it supported by later experience?

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### EDUCATION.

MR. HENRY.

[Answer *four* questions, at least *one* from each section.]

### [A.]

1. 'Orthodox educators follow Herbart, cranks and reformers Pestalozzi and Froebel.' Elucidate and discuss this statement.

2. What are the chief educational features of *three* of the following:— (a) the monitorial schools of Bell and Lancaster, (b) the Fellenberg school at Hofwyl, (c) the earliest Kindergarten, (d) the *écoles maternelles*, (e) modern trade continuation schools?

3. Describe the rise of the State educational system in England and in Prussia.



[B.]

4. Estimate the formal and intrinsic values respectively of (a) ancient languages, (b) modern history, (c) experimental science.

5. What various meanings have been attached to the term 'liberal education'?

6. To what extent should elementary physiology and hygiene be included in the secondary school curriculum?

[C.]

7. Explain carefully how the Montessori practice prevents the destruction of the pupil's natural spontaneity.

8. Analyze the meaning of the term 'apperception,' and show the educational value of your analysis.

9. Distinguish accurately between observation and induction.

10. Describe fully how you would aid the formation and adoption of moral ideals on the part of adolescents.

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ENGLISH COMPOSITION.

MR. R. M. GWYNN.

Write an essay on *one* of the following subjects :—

1. Loyalty to principle as displayed by Shakespeare's Brutus.
2. Caesar's estimate of Cassius, and its justification in the play.
3. Dangers of India, internal and external.
4. The mutual influence of England and India.

# Hilary Term, 1920.

## ENTRANCE EXAMINATION.

### JANUARY.

#### ARITHMETIC.

MR. H. THRIFT.

1. Multiply 8·7394 by 34·87, and find to two decimal places the result of dividing the product by ·073.
2. Find the value of ·2743 of £1 + ·498 of £1 3s. 4d. + ·216 of £2 8s. 7d.
3. Find by practice the cost of 27 tons 15 cwt. 3 qrs. 16 lbs. at £22 4s. 6d. per cwt.
4. Find the cost of papering the walls of a room 39 ft. 5 ins. long by 18 ft. 4 ins. wide by 15 ft. 3 ins. high with paper 2 ft. 3 ins. wide costing 1s. 6d. a yard.
5. Find to the nearest penny the compound interest on £350 for 3 years at  $5\frac{1}{4}$  per cent. per annum.
6. A merchant who sold his goods at a profit of 10 per cent. found that when he allowed  $2\frac{1}{2}$  per cent. discount off his selling price his business increased by one-third. Find whether his total profits increased or diminished by adopting this plan, and in what proportion?

#### ALGEBRA.

MR. HENRY.

1. Divide  $x^{15} - y^{15}$  by  $x^3 - y^3$ .
2. If

$$\frac{b}{c} + \frac{c}{a} + \frac{a}{b} = 0,$$

what is the numerical value of

$$\frac{b^3}{c^3} + \frac{c^3}{a^3} + \frac{a^3}{b^3} ?$$

3. Find  $k$  such that the expression

$$x^3 - \frac{3}{2}x - \frac{1}{8x^3} + \frac{k}{x}$$

may be a perfect cube.

4. Simplify

$$\frac{3a-2}{(2a+3)(a+1)} - \frac{2a-3}{(a+1)(3a-2)} + \frac{a+1}{6a^2-13a+6}.$$

5. Solve the equation

$$\frac{x}{4} - \frac{3}{5}(x-4) + \frac{7}{10}(2x+15) - 38\frac{1}{10} = 0.$$

6. *A* can row half as fast again as *B* in still waters, and going down stream can travel twice as fast as *B* going up stream. Compare the rates of *A* up and *B* down stream.

#### HISTORY AND GEOGRAPHY.

MR. LUCE.

1. Draw a map showing the mountain and river systems of Scotland.
2. Trace the course of the Elbe and the Vistula, naming three towns on each.
3. Where are the following :—Gottenburg, Teheran, Cayenne, Gorey, Monte Video, Nice, Cordova, Denver, Ballarat, Paisley?
4. Mention the chief lakes in America and Africa.
5. Enumerate the seaports on the Adriatic. Give some facts about the population, and state what nationalities predominate in each.
6. Write an account of the Norman Conquest.
7. Sketch the history of the political relations between England and Ireland.
8. What were the chief provisions of the Magna Carta and the Constitutions of Clarendon?
9. Write a note on Queen Elizabeth's foreign policy.
10. What wars did England fight for the acquisition of her Colonial Empire?

#### LATIN COMPOSITION.

DR. GOLIGHER.

Translate into Latin :—

1. On the 14th of May Caesar sent three thousand cavalry to the assistance of Quintus Cicero.
2. She used to give Maecenas the most beautiful flowers in her garden.
3. The general begged him to leave Rome without delay, and to go straight to Capua.
4. Everyone thought that the city would be captured in a few days.

5. The result was that Athens, the hater of all tyrants, appeared at last as a full-blown Tyrant City, raising or lowering the tribute at her own will, and treating as rebels to her sovereignty such states as sought to withdraw themselves from what they supposed to be a free and voluntary alliance. The general opinion of Hellas went largely in favour of the Spartan confederacy, which pretended to put an end to her tyranny.

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## FRENCH AND GERMAN.

PROFESSOR RUDMOSE-BROWN.

## 1. Translate into English :—

*Either—*

Bientôt nous arrivâmes sur la route qui traversait le village. Il regarda dans les deux sens, et ne voyant devant nous que deux groupes isolés, dit :

— Il semble que nous devons être un peu en retard ; ils ne sont plus là ; et certainement ils se feront un devoir de vous attendre, puisque vous êtes venu de si loin. Il se hâtait tout en parlant, et je le suivais, et bientôt nous arrivâmes à une petite avenue de tilleuls, qui conduisait droit au porche de d'église, dont la porte ouverte laissait passer un bruit de voix joyeuses.

— Oui, c'est l'endroit le plus frais par cette chaude soirée. Venez ; ils seront contents de vous voir.

*Or,*

„Kommet morgen wieder, so sollt ihr sehen, was darin ist“ schlug der Meister ihnen vor. „Aber saget keinem Menschen, dass ihr hier gewesen seid.“ Dies versprochen die Knaben, und kamen am andern Morgen schon in aller Frühe. Wieland stand vor seiner Thür und führte sie ins Innere der Schmiede. Als sie aber vor der Truhe standen, hob er den Deckel auf, stieß die beiden Knaben hinein, schlug den schweren Deckel zu und drehte den Schlüssel. Da mussten die Königskinder elend in der Truhe ersticken. Meister Wieland aber begrub ihre Leiber, die Schädel jedoch überzog er mit Gold und machte zwei schöne Trinkschalen daraus.

## 2. Translate into French or German :—

Next day the king sent for the prime minister. He was afraid when he saw the king. The latter was very angry. 'Why have you done this? Why have you betrayed me?' he asked. The prime minister did not know what to reply. He was trembling. He held his hat in his hand. He knelt at the king's feet and begged for mercy. The king called his executioners. 'Cut off that man's head at once,' he cried out. And it was done.

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## ENGLISH COMPOSITION.

MR. R. M. GWYNN.

Choose *one* subject :—

- |                                 |                             |
|---------------------------------|-----------------------------|
| 1. The Co-operative Movement.   | 4. The Prefectorial System. |
| 2. The Career of Col. Lawrence. | 5. The Revival of Boxing.   |
| 3. Names and Surnames.          |                             |



## JUNIOR FRESHMEN.

## GEOMETRY.

MR. WEBB.

*Constructions.*

1. Construct (without using a protractor) a triangle whose sides are 4 and 7 units, and included angle is  $67\frac{1}{2}^{\circ}$ , and measure the length of the third side.
2. Construct an equilateral triangle whose area shall be three times that of a given equilateral triangle.

*Propositions.*

3. Having stated what axiom about parallel lines you adopt (Euclid's, Playfair's, or any other), prove that if a line intersect two parallel lines it makes the 'alternate' angles equal.
4. Prove that in any triangle the square on a side opposite an acute angle is less than the sum of squares on the other two sides. By how much is it less?
5. If the three sides of a triangle are proportional to the three sides of another, show that the triangles are equiangular.
6. If  $ABCDEF$  and  $PQRSTU$  be similar hexagons,  $A$  corresponding to  $P$  and so on, prove that the triangles  $BDE$  and  $QST$  are similar.
7. (a) Prove by Euclid's method the first proposition of the Sixth Book.  
Or,  
(b) Show that,  $X$  and  $Y$  being the squares on two lines  $a$  and  $b$ , and  $c$  being a third proportional to  $a$  and  $b$ ,  $X : Y :: a : c$ .

## ALGEBRA AND ARITHMETIC.

MR. H. THRIFT.

1. Add together the fractions

$$\frac{x-2}{6x^2-5x-6}, \quad \frac{x-3}{12x^2-x-6}, \quad \frac{1-2x}{8x^2-18x+9}.$$

2. Reduce to its lowest terms

$$\frac{3x^3+8x^2-1}{x^4-9x^2-6x-1}.$$

3. Find to two places of decimals the roots of the equation

$$7x^2-18x-11=0.$$

4. Solve the equation

$$\frac{x-2}{x-3} - \frac{x-3}{x-2} = \frac{2}{x}.$$

5. Solve the equations

$$\begin{aligned} x + y + z &= 2\frac{5}{6}, \\ 3x - 2y + 6z &= -\frac{1}{2}, \\ -5x + 3y + 4z &= 4\frac{5}{6}. \end{aligned}$$

6. What price are apples a dozen when one more in a shilling's worth lowers the price twopence a dozen?

7. Solve the equation

$$\sqrt{x^2 + 2x - 14} + \sqrt{x^2 + 2x - 15} = 1.$$

8. Find the value of

$$.5795 \text{ of } £1 + .756 \text{ of } £2 \text{ } 5s. \text{ } 8d. + .216 \text{ of } £1 \text{ } 7s. \text{ } 3d.$$

9. Find by Practice to the nearest penny the cost of 14 tons 6 cwt. 3 qrs. 16 lbs. at £3 14s. 6d. per cwt.

10. A man invests £2193 15s. in 4 per cent. stock at 81¼; he afterwards sells out at 84, and reinvests in 5¼ per cent. stock at 105. Find the alteration in his income.

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LATIN.

DR. GOLIGHER.

[All candidates are to attempt *either* the Unprescribed Passage *or* the Latin Composition.]

*Unprescribed Passage.*

Citatus reus magno agmine amicorum clientiumque per mediam contionem ad Rostra subiit, silentioque facto, 'hoc,' inquit, 'die, tribuni plebis vosque Quirites, cum Hannibale et Carthaginiensibus signis collatis in Africa bene ac feliciter pugnavi. Itaque, cum hodie litibus et iurgiis supersederi aequum sit, ego hinc extemplo in Capitolium ad Iovem optimum maximum Iunonemque et Minervam ceterosque deos qui Capitolio atque arci praesident salutandos ibo, hisque gratias agam, quod mihi et hoc ipso die et saepe alias egregie gerendae rei publicae mentem facultatemque dederunt. Vestrum quoque quibus commodum est ite mecum, Quirites, et orate deos, ut mei similes principes habeatis; ita si ab annis septemdecim ad senectutem semper vos aetatem meam honoribus vestris anteistis, ego vestros honores rebus gerendis praecessi.'

*For Latin Composition.*

It was thought that a very few days would suffice for the capture of the troops on the island, but week after week rolled by, and success seemed as far off as ever. The density of the woods prevented the Athenians from ascertaining the number and situation of their enemies;

and even when the sailors landed there for a hasty meal, they were obliged to throw out sentries lest the dreaded Spartans should be upon them unawares. Nor did it seem practicable to reduce them by famine: for the Athenians could not prevent supplies from being brought into the island by adventurous swimmers and boatmen, stimulated by the promise of reward.

1. Translate:—

Exegi monumentum aere perennius  
Regalique situ pyramidum altius,  
Quod non imber edax, non Aquilo impotens  
Possit diruere aut innumerabilis  
Annorum series et fuga temporum.  
Non omnis moriar multaque pars mei  
Vitabit Libitinam: usque ego postera  
Crescam laude recens, dum Capitolium  
Scandet cum tacita virgine pontifex.  
Dicar, qua violens obstrepit Aufidus  
Et qua pauper aquae Daunus agrestium  
Regnavit populorum, ex humili potens  
Princeps Aeolium carmen ad Italos  
Deduxisse modos. Sume superbiam  
Quaesitam meritis et mihi Delphica  
Lauro cinge volens, Melpomene, comam.

HORACE.

1. Write short notes on the proper names in this passage.
2. (a) Who is the *tacita virgo* of line 9?
- (b) Explain the case of *aquae* in line 11 and of *populorum* in line 12.
3. Translate with notes on the allusions:—

(a) Ille dies. . . . qui primus alma risit adorea.

(b) Tua, Caesar, aetas  
Ianum Quirini clausit et ordinem  
Rectum evaganti frena licentiae  
Iniiecit.

GREEK.

MR. KENNEDY.

1. Translate;—

ὁ δὲ Κόνων ἐπεὶ ἐπολιορκεῖτο καὶ κατὰ γῆν καὶ κατὰ θάλατταν, καὶ σίτων οὐδαμόθεν ἦν εὐπορήσαι, οἱ δὲ ἄνθρωποι πολλοὶ ἐν τῇ πόλει ἦσαν καὶ οἱ Ἀθηναῖοι οὐκ ἐβοήθουν διὰ τὸ μὴ πυνθάνεσθαι ταῦτα, καθελκύσας τῶν νεῶν τὰς ἀρίστα πλεούσας δύο ἐπλήρωσε πρὸ ἡμέρας, ἐξ ἅσων τῶν νεῶν τοὺς ἀρίστους ἐρέτας ἐκλέξας καὶ τοὺς ἐπιβάτας εἰς κοίλην ναῦν μεταβιβάσας καὶ τὰ παραρρήματα παραβαλὼν. τὴν μὲν οὖν ἡμέραν οὕτως ἀνεῖχον, εἰς δὲ τὴν ἑσπέραν, ἐπεὶ σκότος εἶη, ἐξεβίβαζεν, ὥς μὴ καταδῆλους εἶναι τοῖς πολεμίοις ταῦτα ποιοῦντας. πέμπτη δὲ ἡμέρα εἰσθέμενοι σῖτα μέτρια, ἐπειδὴ ἤδη μέσον ἡμέρας ἦν καὶ οἱ ἐφορμοῦντες ὀλιγώρως εἶχον καὶ ἔνιοι ἀνεπαύοντο, ἐξέπλευσαν ἔξω τοῦ λιμένος, καὶ ἡ

μὲν ἐπὶ Ἑλλησπόντου ὥρμησεν, ἥ δὲ εἰς τὸ πέλαγος. τῶν δ' ἐφορμούντων ὥς ἕκαστοι ἥνοιγον, τὰς τε ἀγκύρας ἀποκόπτοντες καὶ ἐγειρόμενοι ἐβοήθουν τεταραγμένοι, τυχόντες ἐν τῇ γῇ ἀριστοποιούμενοι· εἰσβάντες δὲ ἐδίωκον τὴν εἰς τὸ πέλαγος ἀφορμήσασαν, καὶ ἅμα τῷ ἡλίῳ δύνοντι κατέλαβον, καὶ κρατήσαντες μάχῃ ἀναδησάμενοι ἀπῆγον εἰς τὸ στρατόπεδον αὐτοῖς ἀνδράσιν. ἥ δ' ἐπὶ τοῦ Ἑλλησπόντου φυγούσα ναὺς διέφυγε, καὶ ἀφικομένη εἰς τὰς Ἀθήνας ἐξαγγέλλει τὴν πολιορκίαν.—XENOPHON.

2. Parse—μεταβιβάσας, παραβαλὼν, εἰσθέμενοι, ἐξέπλευσαν, ἥνοιγον, τεταραγμένοι, ἀφορμήσασαν.

3. Who were Mindarus, Hermocrates, Alcibiades, Callicratidas, Canon, Callixonus?

# FRENCH AND GERMAN.

PROFESSOR RUDMOSE-BROWN.

## 1. Translate into English :—

*Either—*

—Laisse-moi, répondit Mateo : je suis son père.

Giuseppa embrassa son fils et entra en pleurant dans sa cabane. Elle se jeta à genoux devant une image de la Vierge et pria avec ferveur. Cependant Falcone marcha quelques deux cents pas dans le sentier et ne s'arrêta que dans un petit ravin où il descendit. Il sonda la terre avec la crosse de son fusil et la trouva molle et facile à creuser. L'endroit lui parut convenable pour son dessein.

—Fortunato, va auprès de cette grosse pierre.

L'enfant fit ce qu'il lui commandait, puis il s'agenouilla.

—Dis tes prières.

—Mon père, mon père, ne me tuez pas !

—Dis tes prières ! répéta Mateo d'une voix terrible.

*Or—*

Leodegar bekam seine Habseligkeiten in nicht eben freundschaftlicher Weise vor die Füsse geworfen.

„Da,“ keuchte die Frau, die sich ausser Atem gelaufen, „und—und —“

„Nun, das ist freundlich von Euch, dass ihr mir meine Sachen selber heraufbringt,“ fiel ihr Leodegar in die Rede, „wer hat's Euch denn verraten, dass ich morgen schon auf die Wanderschaft gehe, Müllerin? Ich nehme diesmal den Weg nach Strassburg, da sehen wir uns am Ende lang nicht—“

„Am liebsten gar nimmer,“ herrschte ihn die Frau an, „eher beisse ich ins Gras, als dass ich eine Liebelei zwischen dir und meinen Mädcl erlaube—und wenn du auf den Knien vor mir liegst—“

„Das geschieht nicht,“ unterbrach sie Leodegar, „ich gehe meiner Wege, Müllerin, und haue alles nieder, was sich mir entgegenstellt.“

## 2. Translate into French or German :—

At a corner of the road he stopped, put down his bundle, and sat down. He looked before him and saw a man approaching. This man



was tall and was walking quickly. He looked about thirty-five years old. When he reached the place where the boy was sitting, he too stopped, took a pipe from his pocket, lit it, sat down, and said to the boy, 'Well, who are you, and what are you doing here?' The boy answered: 'I am going home. It is a long way. And I am tired.'

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## ENGLISH COMPOSITION.

MR. LUCE.

[Choose *one* subject.]

1. The most picturesque scene in *Quentin Durward*.
  2. Tennyson's similes.
- 

## SPECIAL PRELIMINARY EXAMINATION FOR MEDICAL STUDENTS.

— — —  
EUCLID.

MR. ROGERS.

*Theorems.*

1. If  $AC^2 + CB^2 = AB^2$ , prove that the angle  $C$  is a right angle.
2. If the angle  $ACB$  is acute, prove that  $AC^2 + CB^2$  is less than  $AB^2$  by twice a certain rectangle.
3. The angle in a semicircle is a right angle.
4. If  $BC : CA : AB :: EF : FD : DE$ , prove that the triangles  $ABC$  and  $DEF$  are similar.
5. Similar triangles are in the duplicate ratio of their corresponding sides [or as the squares of corresponding sides].

*Constructions.*

6. Describe an equilateral triangle equal in area to a square whose side is 1 inch; and measure its side.
7. In a circle of radius 2 inches inscribe a triangle with sides in the ratio 3 : 4 : 5, and inscribe a circle in the triangle, stating your methods of construction.

## ALGEBRA AND ARITHMETIC.

MR. HENRY.

1. Find the highest common factor and lowest common multiple of  $x^6 - 1$  and  $x^9 + 1$ .

2. Solve the equation

$$\frac{x+4}{3} - \frac{5x-3}{7} - 2x + 2 = \frac{2x-25}{21}.$$

3. Find  $x, y, z$  from the equations

$$3x + \frac{5}{2}y + z = 14,$$

$$\frac{x}{3} + \frac{y}{4} = \frac{3}{2},$$

$$x + y + z = 5.$$

4. What is the condition that the two values of  $x$  which make  $x^2 + ax + b = 0$  should be equal?

5. The estimated cost of a dinner party is 7s. 6d. a head. Two guests fail to arrive, the cost per head thus becoming 9s. Find the number of diners.

6. Find the breadth of an allotment whose length is twice as great as its breadth, and whose area is one-sixteenth of an acre.

7. Find the sum to which £900 will amount in 3 years at 5 per cent. compound interest.

8. Taking an example  $\cdot\dot{i}$ , explain and justify the rule for converting a recurring decimal into a vulgar fraction.

9. A man buys a house for £1750 and sells after a year for £3200, incurring £100 costs on the former transaction. How much per cent. has he made on his outlay?

## LATIN.

MR. CANNING.

Translate:—

Quis Parthum paveat, quis gelidum Seythen,  
Quis Germania quos horrida parturit  
Fetus, incolumi Caesare? Quis ferae  
Bellum curet Hiberiae?

Condit quisque diem collibus in suis,  
Et vitem viduas ducit ad arbores;  
Hinc ad vina redit laetus et alteris  
Te mensis adhibet deum;

Te multa prece, te prosequitur mero  
 Defuso pateris et Laribus tuum  
 Miscet numen, uti Graecia Castoris  
 Et magni memor Herculis.

Longas o utinam, dux bone, ferias  
 Praestes Hesperiae! dicimus integro  
 Sicci mane die, dicimus uvidi,  
 Cum sol Oceano subest.

HORACE.

1. Parse:—paveat, curet, condit, redit, prosequitur, praestes.
2. Give meanings of:—collum, fidicen, plectrum, vacca, cyenus, ceratus.

*For Latin Composition.*

1. The enemy marched ten miles and pitched their camp in a suitable place near the town.
2. When our soldiers had reached the river Rhine, they remained there for nearly two years.
3. The cavalry advanced as rapidly as possible in order to prevent the retreating enemy from reaching the mountains.
4. The soldiers were so terrified that their leaders were unable to prevent them fleeing headlong to the mountains.
5. The enemy are sorry for their defeat, but they do not repent their crimes.

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FRENCH AND GERMAN.

PROFESSOR RUDMOSE-BROWN.

[A separate answer-book to be used for each language.]

1. Translate into English:—

*Either—*

Il s'interrompt pour faire tomber la cendre de sa pipe. Je gardai le silence et je baissai les yeux.

— Il a pu vous paraître singulier, poursuivit-il, que je n'aie pas exigé une satisfaction complète de cet ivrogne, de ce fou de R—. Vous conviendrez qu'ayant le droit de choisir les armes, sa vie était entre mes mains, et que je n'avais pas grand risque à courir. Je pourrais appeler ma modération de la générosité, mais je ne veux pas mentir. Si j'avais pu donner une correction à R— sans risquer ma vie, sans la risquer en aucune façon, il n'aurait pas été si facilement quitte avec moi.

Je regardai Silvio avec surprise. Un pareil aveu me troubla au dernier point. Il continua.

— Eh bien, malheureusement, je n'ai pas le droit de m'exposer à la mort. Il y a six ans, j'ai reçu un soufflet, et mon ennemi est encore vivant.

Or,—

Und immer feierlicher floss die Abenddämmerung, immer abendlicher rauschten die Wasser der Pernitz, und immer reizender klangen die Zithern.

Nur dass heute auch noch die Bursche mit den kühnen Gebirgsaugen die sanftblickenden, aber gleichwohl feueraugigen Mädchen an manchen Stellen zu den Zithern im Tanze herumdrehten, und dass der Mond schon viel länger, als damals, auf die Häuser hereinschien, ehe es auf der Gasse der grünen Fichtau verstummte.

Da aber endlich fast gegen Morgen die letzte Gruppe Abschied genommen hatte, und es stille war, folgte keine Scene im Garten, wie damals, sondern Heinrich schlief schon lange auf seiner einstigen Stube neben Robert, seinem Gaste, und Anna war mit Thrinen in ihrem einstigen Stübchen; aber sie schliefen nicht, sondern sie konnten sich nicht sättigen von Plaudern und Erzählen.

2. Translate into French or German :—

If I had told you what I had seen, you would not have believed me. Therefore I preferred to be silent. Some things cannot be related. I have seen and heard more than I have ever dared to tell. The world is full of strange things. Last night I saw a ghost glide slowly across the lawn, and disappear among the trees. All the dogs began to bark. I am sure I was not mistaken. But I see that you think I am not telling the truth. I will say no more.

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ENGLISH COMPOSITION.

MR. ALTON.

[Choose *one* subject.]

1. The League of Nations.
2. Thoughts on leaving school.
3. The next Great War.
4. Recent advances in Science.



# SENIOR FRESHMEN AND FINAL FRESHMAN SUPPLEMENTALISTS.

## ALGEBRA AND ARITHMETIC.

MR. HENRY.

1. Divide  $x^{-\frac{1}{2}} + x^{\frac{3}{2}}$  by  $x^{\frac{1}{2}} + 2^{\frac{1}{2}} + x^{-\frac{1}{2}}$ .

2. Find the highest common factor of

$$6a^3 + 7a^2 + 4a + 1 \quad \text{and} \quad 6a^5 - a^4 + a^2.$$

3. If the sum of the cubes of two numbers is equal to the product of their sum and the difference of their squares, find the ratio of the numbers.

4. Solve the equation

$$\frac{x}{x+2} + \frac{x+2}{x+4} + \frac{x+4}{x+6} = 3.$$

5.  $B$  and  $C$  can do a piece of work in  $a$  days,  $C$  and  $A$  in  $b$  days,  $A$  and  $B$  in  $c$  days. Find the time taken by each working alone.

6. If you go up a certain flight of steps two at a time, there is one left at the top, three at a time two left, four at a time three left, five at a time four left. What is the smallest possible number of steps?

7. Find the number of miles in 28 kilometres, taking a centimetre as  $\frac{1}{3937}$  inches.

8. Explain by means of an example the method of contracted division of decimal fractions.

9. What is the difference between the simple and compound interest on £500 for 5 years at 5 per cent. per annum?

10. A man's income has increased 80 per cent. while the cost of living has increased 60 per cent. He pays income tax at the rate of 3s. 9d. instead of 1s. in the pound. Is he worse off than before?

## TRIGONOMETRY.

MR. WEBB.

1. Prove the formula for  $\cos(A+B)$  when  $A$  and  $B$  are each acute angles, but their sum  $A+B$  is an obtuse angle.

2. Given that  $\sin 2A$  is  $\frac{2}{3}$ , prove that  $\tan A$  is either  $\frac{2}{3}$  or  $\frac{4}{3}$ , and explain why there are two possible values.

3. In a triangle  $a = 21$ ,  $b = 17$ ,  $\cos C = \frac{1}{7}$ . Find  $\cos B$ .

4. Find  $\tan \frac{A}{2}$  in terms of the sides, assuming the formula for  $\cos A$ .

5. A post, a mile away from an observer on the same horizontal plane, subtends an angle of  $115''$  at his eye. How high is the top of the post, and how long is the post if it is not upright, but is leaning at an angle of  $45^\circ$  to the ground towards the observer?

6. Express  $\sin B + \sin C - \sin A$  as a product when

$$A + B + C = 180^\circ.$$

7. If  $x = \log_a z$  and  $y = \log_b z$ , find a relation connecting  $x$  and  $y$  of the form  $x = ky$  when  $k$  does not depend on  $z$ .

8. Find  $\sin 15^\circ$  and  $\cos 165^\circ$  as surds.

9. Find the radius of the circle circumscribing a triangle in terms of the sides and the area.

10. If the common logarithms of  $x$  and  $y$  are respectively  $\bar{3}\cdot2461$  and  $\bar{2}\cdot5314$ , write down the common logarithms of  $\frac{x}{y}$ ,  $\sqrt[5]{x}$  and  $y^3$ .

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#### FORMAL LOGIC.

DR. GOLIGHER.

1. What is meant by *Connotation*?

What kinds of terms are usually said to have no connotation? Consider each.

2. Put into logical form, and contrapose (showing both steps):—

- (a) None see the good but those who do the good.
- (b) They never pardon who have done the wrong.
- (c) Uneasy lies the head that wears a crown.
- (d) Only the faithful friend deserves to live.

3. What is *Reduction*?

Reduce in two ways:—Inasmuch as every man is an animal, but the same assertion cannot be made about all living things, it follows that the latter cannot all be described as men.

4. Prove the following statements directly (*i.e.*, without the aid of the Special Rules):—

- (a) I E can never yield a valid conclusion.
- (b) If the conclusion is universal, M can be distributed once only.

5. Define and illustrate the following fallacies:—

- (a) The fallacy of Composition.
- (b) *Ignoratio Elenchi*.
- (c) The fallacy of the Complex Question.
- (d) The *Argumentum ad hominem*.

## MECHANICS.

MR. ROGERS.

1. Describe some proof of the parallelogram of forces.
2. State the theorem of the triangle of forces, and deduce it from the parallelogram of forces.
3. Define 'work,' 'foot-pound,' 'horse-power.'
4. A weight of one ton is raised through 100 feet in 30 seconds. What is the work done in foot-pounds? What is the horse-power required to do it?
5. Distinguish between the absolute unit of force and the gravitational unit. What is a poundal?
6. A uniform triangular table rests on three legs. Prove that the pressures on the three legs are equal.
7. Define kinetic energy, and prove that it is equal to  $\frac{1}{2}mv^2$ .
8. A mass of one pound falls from rest for five seconds. Find its kinetic energy in foot-pounds.
9. A body is thrown vertically upwards with a velocity of 100 feet per second. Find when it reaches the ground again.
10. Why does a golf-ball apparently disobey the laws of projectiles laid down in text-books on Dynamics? Discuss the causes of 'pulling' and 'slicing.'

## LATIN.

MR. KENNEDY.

[A.]

[Candidates should attempt either the Unprescribed Passage  
or the Latin Composition.]

*Unprescribed Passage.*

Translate:—

Jugurtha ubi legatos Africa decessisse ratus est, neque propter loci naturam Cirtam armis expugnare potest, vallo atque fossa moenia circumdat, turres extruit easque praesidiis firmat; praeterea dies noctesque aut per vim aut dolis tentare, defensoribus moenium praemia modo, modo formidinem ostentare, suos hortando ad virtutem arrigere, prorsus intentus cuncta parare. Adherbal, ubi intelligit omnes suas fortunas in extremo sitas, hostem infestum, auxilii spem nullam, penuria rerum necessariarum bellum trahi non posse; ex iis qui una Cirtam profugerant, duos maxime impigros delegit; eos multa pollicendo ac miserando casum suum confirmat, uti per hostium munitiones noctu ad proximum mare, dein Romam pergerent.

*Latin Composition.*

Translate into Latin :—

After the fall of Aphidnae, the people of Athens became terrified, and were persuaded by Mnestheus to admit the sons of Tyndareus to the city, and to treat them as friends, because, he said, they were only at war with Theseus, who had been the first to use violence, and were the saviours and benefactors of the rest of mankind. These words of his were confirmed by their behaviour, for, victorious as they were, they yet demanded nothing except initiation into the mysteries, as they were, no less than Herakles, connected with the city.

[B.]

*For Senior Freshmen.*

Translate :—

Sed confecto proelio, tum vero cerneret quanta audacia quantaque vis animi in Catilinae exercitu fuisset. Nam fere, quem quisque vivus pugnando locum ceperat, eum amissa anima corpore tegebat. Catilina vero longe a suis inter hostium cadavera repertus est, paululum etiam-tum spirans, ferociamque animi, quam habuerat vivus, retinens. Postremo, ex omni copia neque in proelio neque in fuga quisquam civis ingenuus captus est, ita cuncti suae atque hostium vitae pariter pepercant.

1. Parse—*confecto, fuisset* (why is it in the subjunctive mood ?), *tegebat, cadavera, repertus, pepercant*.

2. Write a historical note on the laws concerning the punishment of Roman citizens.

*For Final Freshman Supplementalists.*

Translate :—

Fit gemitus. Tum membra toro defleta reponunt,  
Purpureasque super vestes, velamina nota,  
Coniiciunt. Pars ingenti subiere feretro,  
Triste ministerium, et subiectam more parentum  
Aversi tenere facem. Congesta cremantur  
Turea dona, dapes, fuso crateres olivo.  
Postquam collapsi cineres et flamma quievit,  
Reliquias vino et bibulam lavere favillam,  
Ossaue lecta cado texit Corynaeus aeno.  
At pius Aeneas ingenti mole sepulcrum  
Imponit suaque arma viro, remumque tubamque,  
Monte sub aerio, qui nunc Misenus ab illo  
Dicitur, aeternumque tenet per saecula nomen.

1. Parse—*subiere, aversi, congesta, fuso, crateres, quievit, lavere*.

2. Write a short account of Virgil.



MR. TATE.

(For Senior Freshmen.)

Translate:—

ἐπειδὴ δὲ ἀνννεῖχθησαν οὗτοι οἱ λόγοι, οὕτω δὴ οἱ Θεσσαλοὶ κεχολωμένοι τοῖσι Φωκεῦσι ἐγένοντο ἡγεμόνες τῷ Βαρβάρῳ τῆς ὁδοῦ. ἐκ μὲν δὴ τῆς Τρηχινίης ἐς τὴν Δωρίδα ἐσέβαλον. τῆς γὰρ Δωρίδος χώρας ποδεῶν στεινὸς ταύτῃ κατατείνει, ὥς τριήκοντα σταδίων μάλιστα κη εὖρος, κείμενος μεταξὺ τῆς τε Μηλίδος καὶ τῆς Φωκίδος χώρας, ἥ περ ἦν τὸ παλαιὸν Δρυοπίς· ἡ δὲ χώρα αὕτη ἐστὶ μητρόπολις Δωριέων τῶν ἐν Πελοποννήσῳ. ταύτην ὦν τὴν Δωρίδα γῆν οὐκ ἐσίναντο ἐσβαλόντες οἱ Βάρβαροι· ἐμήδιζόν τε γὰρ καὶ οὐκ ἐδόκεε Θεσσαλοῖσι.—HERODOTUS.

1. Parse—ἀνννεῖχθησαν, κεχολωμένοι, ἐσέβαλον, ἐγένοντο, ἐσίναντο, ἐδόκεε.

2. Give the meanings of—τὸ ἀριστήϊον, μελιτόεσσα, ἐνθύμιον, πλήρωμα, ὠθισμὸς λόγων, φορμοί.

(For Final Freshman Supplementalists.)

Translate:—

ἦ ῥα, καὶ Ἑκτορα δῖον ἀεικέα μῆδετο ἔργα.  
ἀμφοτέρων μετόπισθε ποδῶν τέτρηνε τένοντε  
ἐς σφυρὸν ἐκ πτέρνης, βοέους δ' ἐξῆπτεν ἱμάντας,  
ἐκ δίφροιο δ' ἔδησε, κάρη δ' ἔλκεσθαι ἔασεν·  
ἐς δίφρον δ' ἀναβὰς, ἀνὰ τε κλυτὰ τεύχε' αἶρας,  
μάστιξεν ῥ' ἐλάαν, τῷ δ' οὐκ ἄκοντε πετέσθην.  
τοῦ δ' ἦν ἐλκομένοιο κονίσσαλος, ἀμφὶ δὲ χαῖται  
κυάνεια πίτναντο, κάρη δ' ἄπαν ἐν κονίῃσιν  
κεῖτο πάρος χαρίεν· τότε δὲ Ζεὺς δυσμενέεσσιν  
δῶκεν ἀεικίσσασθαι ἔῃ ἐν πατρίδι γαίῃ.

HOMER.

1. Parse—μῆδετο, τέτρηνε, ἐξῆπτεν, ἀναβὰς, πετέσθην, μάστιξεν.

2. Give the meanings of—γλήνεα, θυοσκοοί, πέδιλα, βούβρωστις, ἐκυρή, κερκίς.

FRENCH AND GERMAN.

PROFESSOR RUDMOSE-BROWN.

1. Translate into English:—

*Either—*

Mais la querelle un instant assoupie reprit bientôt avec une âpreté croissante. C'est qu'au fond il s'agissait d'autre chose que d'une poterne et de quelques taxes. Charles II reprochait, non sans raison, aux habitants de se considérer comme sujets du roi plus que comme sujets du Duc. À chaque instant, ils en référaient au suzerain. Ils comptaient sur les gens du roi pour les défendre contre leur souverain

naturel. Le Duc ne pouvant les détacher de la France, cherchait à secouer le joug de sa vassalité et prétendait que Neufchâteau relevait de l'empire et non du roi. Irrité de l'attitude des bourgeois il les maltraitait, les rançonnait, enlevait les plus riches, pillait leurs maisons, les enfermait dans son château ou les internait dans la Lorraine allemande.

Or—

Er trat ans Fenster und blickte auf den Platz hinunter, wo die Menge noch in fieberhafter Neugierde Stand hielt. Ezzelin hatte Befehl gegeben, die vor ihn Beschiedenen durch eine Hinterpforte zu entlassen. „Paduaner!“ redete er jetzt mit gewaltiger Stimme und Tausende schwiegen wie eine Einöde. „Ich habe den Handel untersucht. Er war verwickelt und die Schuld geteilt. Ich vergab, denn ich bin zur Milde geneigt jedesmal, wo die Majestät des Reiches nicht berührt wird. Heute Abend halten Hochzeit mit Masken Astorre Vicedomini und Antiope Canossa. Ich, Ezzelin, gebe das Fest und lade euch Alle.“ Ein unbestimmtes Gemurmél drang empor. Es verrieselte und verrann.

2. Translate into French or German :—

At the age of thirty-three, the poet was severely wounded in battle; for many days he was between life and death. At last he recovered. He saw the world, felt the world, and lived in the world like another man. He was the same man as before, but, yet, things were different for him; everything was new, significant, poetical. He remembered that wide, clear, river, far away, the divine Danube, on the banks of which he had spent the happiest moments of his life. How long ago it was. There he had read the Italian poets and learned to imitate them in Spanish. He had sat under the trees and dreamed and had become a poet.

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ENGLISH COMPOSITION.

MR. R. M. GWYNN.

Write an Essay on *one* of the following subjects :—

*Senior Freshmen.*

1. The quality of firmness as displayed by Hampden and Warren Hastings.
2. The character, methods, and conversation of Lofty.

*Final Freshman Supplementalists.*

1. ‘I too have wished for trenchant force,  
A will like a dividing spear,  
Have praised the keen, unscrupulous course  
That feels no doubt and knows no fear.’

Apply these lines to Shakespeare's Richard III.

2. The theory that a humourist is usually a man of sorrows in his private life.

## JUNIOR SOPHISTERS.

## MATHEMATICAL PHYSICS.

MR. FRY.

1. If a body of weight 255 lbs. just slips down a rough plane 17 feet long when the height of the plane is 8 feet, find the force acting parallel to the plane which will just support it when the height of the plane is 15 feet.

2. A body weighing 8 lbs. is moving to the north on a smooth horizontal plane with a velocity of 12 feet per second. Find the force in lbs. weight which, acting parallel to itself, will bring the body in 3 seconds to a point 72 feet north and 27 feet east of its initial position.

3. In a hydraulic press the radii of the cylinders are 3 inches and 2 feet respectively. The power is applied at the end of a lever whose length is 3 feet, the piston being attached at a distance of 3 inches from the fulcrum. Find in lbs. weight the power which must be applied to the lever when a body weighing 6 tons is placed on the large piston.

4. A piece of glass weighs 54 grammes in air, 34 in water, and 17 in sulphuric acid: find the specific gravity of the acid, and the volume and specific gravity of the glass.

5. When the water-barometer reads 32 feet, how far must the top of a cylindrical diving-bell, 8 feet high, be sunk so that the water may rise half the way up?

6. The piston of an ordinary suction-pump is 8 square inches in area. Find the force required to slowly raise the piston, neglecting friction and the thickness of the piston, assuming that the pump has been working for some time, and that its spout is 24 feet above the level of the water in the well.

7. What rays of a pencil proceeding from a point  $Q$  on the axis of a concave mirror of radius  $r$  are proved to be brought to a focus at a point  $q$  on the axis? If the distances of  $Q$  and  $q$  from the mirror are  $D$  and  $d$  respectively, prove

$$\frac{1}{D} + \frac{1}{d} = \frac{2}{r}.$$

8. Define the refractive index of a transparent substance.

(a) Taking its values for water and glass to be  $\frac{4}{3}$  and  $\frac{3}{2}$  respectively, find its values when light passes from glass to water and from water to glass.

9. Draw diagrams showing the way in which a set of parallel rays of light passes through the four lenses which can be formed so that the radii of curvature of their faces are 6 and 8 inches, and calculate the focal lengths of the lenses, taking the index of refraction to be  $\frac{3}{2}$ .

10. A convex lens *A* of focal length  $\frac{1}{2}$  inch is fixed at a distance of 5 inches from a convex lens *B* of focal length 6 inches. Find where an object must be placed in front of *A*, so that an observer with his eye close to *B* shall see an image at a distance of 12 inches.

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LATIN.

MR. KENNEDY.

[A.]

[Candidates should attempt *either* the Unprescribed Passage  
or the Latin Prose Composition.]

*Unprescribed Passage.*

Translate :—

Sed urbem arduam situ opera molesque firmaverant, quis vel plana satis munirentur. Nam duos colles in immensum editos claudebant muri per artem obliqui aut introrsus sinuati, ut latera obpugnantium ad ictus patescerent. Extrema rupis abrupta, et turres, ubi mons iuvisset, in sexagenos pedes, inter devexa in centenos vicanosque attollebantur, mira specie ac procul intuentibus pares. Alia intus moenia regiae circumiecta, conspicuoque fastigio turris Antonia, in honorem M. Antonii ab Herode appellata.

*For Latin Prose.*

In the reign of Tiberius, an extraordinary thing happened to some mariners in the Ionian sea. They were cruising at daybreak among the islands of the Echinades, at the mouth of the river Achelous, which falls into the Corinthian Gulf. As the sun rose and touched with his first light the waves of the Archipelago and the myrtle hillocks of the little islands, they heard a marvellous voice, like softened thunder, pass over them, and die away to the mainland among the Ætolian mountains. 'Pan is dead,' it said, and then a sighing wind followed the voice, and the frightened sailors hastened ashore to narrate what they had heard.

[B.]

1. Translate :—

Sequens hiems saluberrimis consiliis absumpta. Namque ut homines dispersi ac rudes eoque in bella faciles quieti et otio per voluptates adsucescerent, hortari privatim, adiuvere publice, ut templa fora domos extruerent, laudando promptos et castigando segnes: ita honoris aemulatio pro necessitate erat. Iam vero principum filios liberalibus artibus erudire, et ingenia Britannorum studiis Gallorum anteferre, ut qui modo linguam Romanam abnuebant, eloquentiam concupiscerent. Inde etiam habitus nostri honor et frequens toga. Paulatimque descensum ad delenimenta vitiorum, porticus et balinea et conviviorum elegantiam. Idque apud imperitos humanitas vocabatur, cum pars servitutis esset.—TACITUS.



2. Give the meanings of—*scutula, margarita, numeri, metalla, covinnarius, indago.*

3. Write a short connected account of Agricola.

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GREEK.

MR. SMYLY.

1. Translate :—

τοῖς δὲ Ἀθηναίοις, τὴν τε ἀπόκλησιν ὁρῶσι καὶ τὴν ἄλλην διάνοιαν αὐτῶν αἰσθομένοις, βουλευτέα ἐδόκει. καὶ ξυνελθόντες οἳ τε στρατηγοὶ καὶ οἱ ταξίαρχοι πρὸς τὴν παρούσαν ἀπορίαν τῶν τε ἄλλων καὶ ὅτι τὰ ἐπιτήδεια οὔτε αὐτίκα ἔτι εἶχον (προπέμψαντες γὰρ ἐς Κατάνην, ὡς ἐκπλευσόμενοι, ἀπέειπον μὴ ἐπάγειν) οὔτε τὸ λοιπὸν ἐμελλον ἔξειν, εἰ μὴ ναυκρατήσουσιν, ἐβουλευσάντο τὰ μὲν τείχη τὰ ἄνω ἐκλιπεῖν, πρὸς δὲ αὐταῖς ταῖς ναυσὶν ἀπολαβόντες διατειχίσματι ὅσον οἶόν τε ἐλάχιστον τοῖς τε σκεύεσι καὶ τοῖς ἀσθενέσιν ἱκανὸν γενέσθαι, τοῦτο μὲν φρουρεῖν, ἀπὸ δὲ τοῦ ἄλλου περὶ τὰς ναῦς ἀπάσας, ὅσαι ἦσαν καὶ δυναταὶ καὶ ἀπλωότεραι, πάντα τινὰ ἐσβιβάζοντες πληρῶσαι, καὶ διαναυμαχήσαντες, ἦν μὲν νικῶσιν, ἐς Κατάνην κομίζεσθαι, ἦν δὲ μὴ, ἐμπρήσαντες τὰς ναῦς, περὶ ξυνταξάμενοι ἀποχωρεῖν, ἥ ἂν τάχιστα μέλλωσί τινος χωρίου ἢ βαρβαρικοῦ ἢ Ἑλληνικοῦ φίλιου ἀντιλήψεσθαι.—THUCYDIDES.

2. Parse ὁρῶσι, ἀπέειπον, ἐκλιπεῖν, σκεύεσι, ἐμπρήσαντες, ἀντιλήψεσθαι.

3. What is the Greek for 'There was an eclipse of the moon' What was the date of the eclipse recorded in the seventh book of Thucydides, and what effect had it on the military operations?

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FRENCH AND GERMAN.

PROFESSOR RUDMOSE-BROWN.

1. Translate into English :—

*Either—*

Il y a lutte entre le château et le parc. La masse énorme des pierres et des souvenirs gît, cénotaphe du XVII<sup>e</sup> siècle, que déjà le XVIII<sup>e</sup> voulut, pour l'habiter sans mauvais rêves, rajeunir en y suspendant les festons des roses de sa grâce facile. Mais les roses sont tombées dans le sang, et tout le lieu est morne, doré, et vide, et l'ingrance du musée Louis-Philippe lui a même ôté toutes ses âmes successives. La dernière s'est réfugiée au delà des étangs, aux Trianons... tandis que le parc, c'est la protestation de la vie éternelle. Le parc, c'est le drame des saisons, infinissable et synthétique, remplaçant le drame périssable des majestés humaines. Il a poussé victorieusement ses ramures, malgré les coupes sombres de 1775, et la Révolution, et il a repris tous les droits à l'exubérance de la nature. Rien de plus frappant que le

contraste entre la vie du parc et la mort du château. Dedans, tout plis devant le Roi Soleil. Dehors la vie se rit de Louis XIV, bouscule les charmilles, et s'épanouit.

Or—

Ohne Zweifel beschäftigte die auf dem Berge gehabte Erscheinung den Gedankenlauf des Junkers nicht weniger als den des Meistersängers. Letzterer wenigstens konnte den ganzen Abend nicht fertig werden, dem Verwalter beim Weinglase das kurze Abenteuer im Walde zu beschreiben. Seine Einbildungskraft erhitzte sich im Erzählen von der schönen Heldengestalt, von der fremdartigen Sprache derselben, von den auserlesen wohlgesetzten Redensarten, von der schwedischen Kriegstracht, der furchtlosen Kühnheit und den edeln Bewegungen. Alles schien ihm daran, bei näherer Ueberlegung, wunderbar. Er war zuletzt, je mehr er erzählte und trank, fast geneigt, was er und der Junker gesehen, für etwas Uebernatürliches zu halten, um so mehr, da Niemand beim Schlosse, an welchem doch der Weg vorbeiführte, den Fremdling bemerkt haben wollte, der Jedem aufgefallen sein würde.

## 2. Translate into French or German :—

It was strange that the dead nowadays were coming in such numbers. They were coming in thousands where they used to come in fifties.

Then one man came alone. And the little shade sat shivering on a lonely bench and the great boat pushed off. Only one passenger; the gods knew best.

Then to the boat from the slow, grey river loomed up the coast of Dis, and the little, silent shade still shivering stepped ashore, and Charon turned the boat to go wearily back to the world. Then the little shadow spoke, that had been a man.

'I am the last,' he said.

No one had ever made Charon smile before, no one before had ever made him weep.

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## LOGIC.

MR. ROGERS.

1. In what sense is the syllogism a *petitio principii*?
2. In what sense are the truths of mathematics necessary?  
What is the evidence for the axioms of geometry?
3. What is the special feature of Mill's theory of inference or reasoning?
4. Describe Whewell's theory of induction.
5. Describe Mill's theory of causation.

## EXPERIMENTAL PHYSICS.

MR. W. E. THRIFT.

1. Define density, and describe how you would determine the density of a substance soluble in water, e.g. common salt.
2. Describe how to make a mercurial barometer, and how to measure by means of it the pressure of the air in dynes per sq. cm.
3. Describe the method by which you would measure the coefficient of expansion of a solid for rise in temperature.
4. Define the latent heat of evaporation of a liquid at a given temperature, and describe how to measure the latent heat of evaporation of water at  $100^{\circ}\text{C}$ .
5. Explain the action of freezing mixtures or freezing machines.

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CHEMISTRY.

DR. YOUNG.

1. Starting from common salt, how would you prepare (a) hydrochloric acid, (b) chlorine, (c) potassium hypochlorite, (d) potassium chlorate?
2. What do you understand by the terms (a) oxidizing agent, (b) reducing agent? Illustrate your answer by examples.
3. Give reasons for the statement that air is a mechanical mixture of nitrogen and oxygen, and that nitrous oxide is a chemical compound of the same elements.
4. Calculate the volume of oxygen, measured at  $0^{\circ}\text{C}$ . and 760 mm., obtained by heating 10 grammes of barium peroxide.  
[Ba = 137 ; O = 16.]
5. Under what conditions will hydrogen combine directly with (a) oxygen, (b) nitrogen, (c) bromine? Describe the characteristic properties of the substances formed.

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HISTORY.

MR. CURTIS.

1. Discuss the importance of the Papacy under Leo the Great, and its relations to the Empire.
2. What happened to (a) the Kingdom of the Ostrogoths, (b) the Kingdom of the Vandals?
3. Explain how the kingdoms of Germany, France, and Italy developed out of the Empire of Charles the Great by 1000 A.D.

4. Write on *either* the Crusades, *or* the Cluniac Reformation as affecting the civilization of Europe.

5. Explain generally the failure of the German Emperors to conquer Italy by 1250.

6. In what directions was the French Monarchy expanding up to 1327, and how did the Hundred Years' War throw it back?

7. Explain the importance of the Black Sea, the Baltic, and Ireland in the commercial world in the Middle Ages.

8. Write on the ambitions of Charles the Bold; the Dominicans; the Hussite Wars, 1419-1431. [Only *one*.]

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ENGLISH COMPOSITION.

MR. LUCE.

Choose ONE subject:—

1. The House of Commons as an electoral chamber.
2. Johnson and his friends.



## SENIOR SOPHISTERS AND SUPPLEMENTAL DEGREE EXAMINATION.

### MATHEMATICAL PHYSICS.

MR. H. THRIFT.

1. Masses of 5, 7, 12, 16 ounces are placed at the angular points of a uniform square lamina whose side is 18 inches long, and whose mass is 20 ounces. Find the position of the centre of gravity of the whole.

2. A uniform beam  $AB$ , 30 feet long, weighing 45 lbs., has two cords  $AC$  and  $BC$ , 18 and 24 feet long, attached to its two ends, and the whole is suspended from  $C$ . Draw a diagram showing the way in which the beam will hang, and calculate the tensions in the strings  $AC$  and  $BC$ .

3. A mass of 26 ounces resting on a smooth inclined plane, whose height is 5 feet and length 13 feet, is connected by a light string passing over a smooth pulley at the top of the plane to a scale-pan of mass 20 ounces hanging vertically. A mass of 2 ounces is placed in the pan, and the system is allowed to move. Calculate the acceleration of the system, the tension of the string, and the pressure of the 2 ounce mass on the pan during motion.

4. A bullet, weighing 4 ounces, moving with a velocity of 1320 feet per second embeds itself in a target weighing 30 pounds which is free to move. Calculate the number of foot-pounds of kinetic energy lost.

5. A particle of mass 8 ounces is tied by a string fully stretched and 2 feet long to a point on a smooth horizontal table, and the string cannot bear a tension greater than 8 pounds weight. If a constant force equal to the weight of 2 ounces acts on the particle in a direction always perpendicular to the string, find when the string will break, assuming the particle starts from rest.

6. A piece of iron (sp. gr. 7.5) whose mass is 39 pounds is placed on the top of a cubical block of wood floating in water, and sinks it so that the upper surface of the wood is level with the surface of the water. The iron is then removed. Find the mass of iron which must be tied to the bottom of the block so that the top may, as before, be level with the water.

7. The dam of a reservoir is 300 yards long, and its face towards the water is rectangular and inclined at an angle of  $30^\circ$  to the horizon. Find the force acting on the dam due to the pressure of the water when the water is 40 feet deep.

8. If the diameter of the circular piston of a force-pump is  $3\frac{1}{2}$  inches, the length of the stroke 2 feet, and the bottom of the cylinder 16 feet above the level of the water in the well, and 48 feet below the level of the water in the tank, find the greatest force required in raising and lowering the piston.

9. Prove that the deviation of a ray of light falling nearly normally on a thin prism is constant.

10. When the distance of an object from a lens is 24 centimetres, the image is found to be on the opposite side of the lens at a distance from it of 30 centimetres. A second lens is placed in contact with the first, and it is found that when the distance of the object from the lenses is 40 centimetres, the image is on the opposite side of the lenses at a distance from them of  $53\frac{1}{3}$  centimetres.

Find the focal lengths of the lenses.

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#### ASTRONOMY.

MR. WEBB.

1. Give an account of the actual observations whereby it is known that the Sun's apparent annual path round the Earth is *plane* and *elliptic*.

2. Draw neatly the celestial sphere of an observer at sunrise on March 21st at a place on the Earth  $45^{\circ}$  N. latitude, marking the zenith, horizon, ecliptic, celestial pole, and equator.

Mark approximately a point *S* representing the position of a star whose R. A. is  $315^{\circ}$  and declination  $60^{\circ}$  N., and show on your diagram what arcs or angles give the altitude, azimuth, latitude, longitude, and hour angle of *S*.

(a) At what time on Dec. 21st would the celestial sphere be in the same position?

3. Distinguish between the statements:

'*A* goes round the Sun faster than *B*.'

'*A* moves faster than *B* in its journey round the Sun.'

Is there any *necessary* connexion between them?

Show that the second follows from the first if Kepler's laws of planetary motions be supposed known.

4. Give a full account of the method of finding the distance of the Moon, stating clearly what observations or measurements are made.

5. Show that the *average* interval between moonrises is about 24 hrs. 50 mins., but that when the Moon is crossing the equator from S. to N. this interval will be much diminished, and vice versa.

The Harvest Moon is a particular case of this monthly phenomenon?

6. What is the mean time at Greenwich when the astronomical clock reads  $6^h 35^m 20^s$ , the R. A. of mean Sun at preceding mean Moon having been  $20^h$ ? The change in the R. A. of mean Sun may be taken as 9.86 seconds (of sidereal time) for each mean solar hour. Also an interval in sidereal time is reduced to one in mean time by multiplying by .9973.

7. Give an account of the Refracting Telescope. What are the advantages of a large object-glass? Are there any disadvantages? Explain the mounting of an Equatorial.

8. Give an account of the heat radiated by the Sun, with some illustrations of its intensity both at the Earth and at its own surface. How is this heat maintained?

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LATIN.

DR. GOLIGHER.

[Every candidate should attempt *either* the Unprescribed Passage *or* the Composition.]

(*Unprescribed Passage.*)

*The Institution of the Censorship.*

Idem hic annus censurae initium fuit, rei a parva origine ortae, quae deinde tanto incremento aucta est, ut morum disciplinaeque Romanae penes eam regimen, senatus equitumque centuriae, decoris dedecorisque discrimen sub ditione eius magistratus, publicorum ius privatorumque locorum, vectigalia populi Romani sub nutu atque arbitrio essent. Ortum autem initium est rei, quod in populo per multos annos incenso neque differri census poterat, neque consulibus, cum tot populorum bella imminerent, operae erat id negotium agere. Mentio inlata ab senatu est, rem operosam ac minime consularem suo proprio magistratu egere, cui scribarum ministerium custodiaeque et tabularum cura, cui arbitrium formulae censendi subiceretur. Et patres quamquam rem parvam, tamen, quo plures patricii magistratus in re publica essent, lacti acceperere, id quod evenit futurum credo etiam rati, ut mox opes eorum, qui praeesent, ipsi honori ius maiestatemque adicerent.—LIVY.

(*Latin Composition.*)

Those were proud and happy days when, amidst the applause and blessings of millions, my noble friend led us on in the great struggle for the Reform Bill; when hundreds waited round our doors till sunrise to hear how we had sped; when the great cities of the north poured forth their population on the highways to meet the mails which brought from the capital the tidings whether the battle of the people had been lost or won. Such days my noble friend cannot hope to see again. Two such triumphs would be too much for one life.—MACAULAY.

(*For Senior Sophisters.*)

I. Translate:—

Vendat aedes vir bonus propter aliqua vitia, quae ipse noverit, ceteri ignorent, pestilentes sint et habeantur salubres, ignoretur in omnibus cubiculis apparere serpentes, male materiatae sint, ruinosae, sed hoc praeter dominum nemo sciat: quaero, si haec emptoribus venditor non dixerit aedesque vendiderit plurius multo quam se venditurum putarit,

num iniuste aut improbe fecerit? 'Ille vero' inquit Antipater: 'Quid est enim aliud erranti viam non monstrare, quod Athenis execrationibus publicis sanctum est, si hoc non est, emptorem pati ruere et per errorem in maximam fraudem incurrere? Plus etiam est quam viam non monstrare: nam est scientem in errorem alterum inducere.' Diogenes contra: 'Num te emere coegit, qui ne hortatus quidem est? Ille quod non placebat proscripsit, tu quod placebat emisti. Quod si qui proscribunt VILLAM BONAM BENEQUE AEDIFICATAM, non existimantur fefellisse, etiam si illa nec bona est nec aedificata ratione; multo minus qui domum non laudarunt.—CICERO.

2. Translate and explain:—

(a) Reliquorum autem iudiciorum haec verba maxime excellunt: in arbitrio rei uxoriae MELIUS AEQUIUS. in fiducia UT INTER BONOS BENE AGIER.

(b) In foro, mihi crede, saltaret.

(c) L. Manlio A. f., cum dictator fuisset, M. Pomponius tribunus plebis diem dixit.

3. (a) Cicero twice quotes Euripides?

(b) He discusses several instances of apparent inconsistency between rectitude and expediency?

(For Degree Candidates.)

1. Translate:—

Nil admirari prope res est una, Numici,  
Solaque, quae possit facere et servare beatum.  
Hunc solem et stellas et decedentia certis  
Tempora momentis sunt qui formidine nulla  
Imbuti spectent: quid censes munera terrae?  
Quid maris extremos Arabas ditantis et Indos  
Ludicra? Quid plausus et amici dona Quiritis?  
Quo spectanda modo, quo sensu credis et ore?  
Qui timet his adversa, fere miratur eodem,  
Quo cupiens, pacto; pavor est utrobique molestus,  
Improvisa simul species exterret utrumque.  
Gaudeat an doleat, cupiat metuatne, quid ad rem,  
Si, quidquid vidit melius peiusve sua spe,  
Defixis oculis animoque et corpore torpet?

HORACE.

2. Give the English of—petorrita, aedituus, atramentum, mango, gerulus.

3. Explain the reference in—'Bioneis sermonibus et sale nigro'; 'discedo Alcaeus puncto illius'; 'intra penetralia Vestae.'

4. Comment on the syntax of—'agrestum Cyclopa movetur'; 'invideor'; 'invitum qui servat, idem facit occidenti'; 'excepto quod non simul esses, cetera laetus.'



(For Senior Sophisters.)

GREEK.

MR. GODFREY.

## 1. Translate:—

ἐστὶν ἄρα ἡ ἀρετὴ ἕξις προαιρετικὴ, ἐν μεσότητι οὖσα τῇ πρὸς ἡμᾶς, ὠρισμένη λόγῳ καὶ ᾧ ἂν ὀφρόνιμος ὀρίσειεν. μεσότης δὲ δύο κακιῶν, τῆς μὲν καθ' ὑπερβολὴν τῆς δὲ κατ' ἑλλειψιν· καὶ ἔτι τῷ τὰς μὲν ἐλλείπειν τὰς δ' ὑπερβάλλειν τοῦ δέοντος ἐν τε τοῖς πάθεσι καὶ ἐν ταῖς πράξεσι, τὴν δ' ἀρετὴν τὸ μέσον καὶ εὐρίσκειν καὶ αἰρεῖσθαι. διὸ κατὰ μὲν τὴν οὐσίαν καὶ τὸν λόγον τὸν τὸ τί ἦν εἶναι λέγοντα μεσότης ἐστὶν ἡ ἀρετή, κατὰ δὲ τὸ ἄριστον καὶ τὸ εὖ ἀκρότης. οὐ πᾶσα δ' ἐπιδεχεται πρᾶξις αὐτὴ πᾶν πάθος τὴν μεσότητα· ἔνια γὰρ εὐθὺς ὠνόμασται συνειλημμένα μετὰ τῆς φαυλότητος, οἷον ἐπιχαιρεκακία ἀναισχυντία φθόνος, καὶ ἐπὶ τῶν πράξεων μοιχεῖα κλοπὴ ἀνδροφονία· πάντα γὰρ ταῦτα καὶ τὰ τοιαῦτα λέγεται τῷ αὐτὰ φαῦλα εἶναι, ἀλλ' οὐχ αἱ ὑπερβολαὶ αὐτῶν οὐδ' αἱ ἐλλείψεις.—ARISTOTLE.

## 2. Explain:—

(a) ἡ γὰρ ὀρθὴ παιδεία αὕτη ἐστίν

(b) τὰ μὲν δίκαια πράττοντες δίκαιοι γινόμεθα.

## 3. What does Aristotle say of:—

τὸ ἀληθές, ὁ αἰδήμων, νέμεσις?

(For Degree Candidates.)

## 1. Translate:—

ἄρ' οὖν, ἦν δ' ἐγώ, ὦ Γλαῦκων, τούτων ἕνεκα κυριωτάτῃ ἐν μουσικῇ τροφῇ, ὅτι μάλιστα καταδύεται εἰς τὸ ἐντος τῆς ψυχῆς ὃ τε ῥυθμὸς καὶ ἁρμονία, καὶ ἔρρωμενέστατα ἄπτεται αὐτῆς, φέροντα τὴν εὐσχημοσύνην, καὶ ποιεῖ εὐσχήμονα, ἐάν τις ὀρθῶς τραφεῖ, εἰ δὲ μὴ τοῦναντίον; καὶ ὅτι αὐτῶν παραλειπομένων καὶ μὴ καλῶς δημιουργηθέντων ἢ μὴ καλῶς φύντων ὀξύστατ' ἂν αἰσθάνοιτο ὁ ἐκεί τραφεὶς ὥς ἔδει, καὶ ὀρθῶς δὲ χαίρων καὶ δυσχεραίνων τὰ μὲν καλὰ ἐπαινοῖ καὶ καταδεχόμενος εἰς τὴν ψυχὴν τρέφοιτ' ἂν ἀπ' αὐτῶν καὶ γίγνοιτο καλὸς τε καὶ ἀγαθός, τὰ δ' αἰσχροὶ ψέγοι τ' ἂν ὀρθῶς καὶ μισοῖ ἔτι νέος ὢν, πρὶν λόγον δυνατὸς εἶναι λαβεῖν, ἐλθόντος δὲ τοῦ λόγου ἀσπάξοιτ' ἂν αὐτὸν γνωρίζων δι' οἰκειότητα μάλιστα ὁ οὕτω τραφεὶς;—PLATO.

## 2. What are Plato's views on—

(a) Acting as a vocation;

(b) The function of medicine;

(c) The relation of μουσική and γυμναστική?

## 3. Does Plato regard lying as ever justifiable?

## FRENCH.

PROFESSOR RUDMOSE-BROWN.

## 1. Translate into English :—

La mer, calme comme un lac, étalait une nappe d'une couleur si bleue que l'on eût dit du lapis en fusion. Pas un nuage ne promenait sa blancheur dans le ciel, dont le saphir un peu pâli attestait seul que nous étions en plein hiver;—non pas seul, car de la neige saupoudrait à gauche la longue chaîne des monts d' Albanie, une neige si légère que le corps de la montagne apparaissait au travers, presque lilas. Sur cette côte du continent, pas un signe de vie humaine, sinon quelque hameau, de place en place, jeté au creux d'une ravine. À droite de la route que le navire suivait, fendait l'eau à peine frémissante, avec un mouvement doux,—de toutes petites îles émergeaient, nues et sombres, et la masse violette de la grande île se rapprochait, annoncée par cette grande montagne du Pantocrator, qui prend sous tous les horizons des formes de colossal autel. Les goélands volaient autour des mâts, balançant avec une mollesse gracieuse leur corps blanc, immobile entre leurs larges ailes souples à pointes noires. Je me sentis ressaisi par l'enchantement de jadis, et c'est avec une émotion presque religieuse que je m'accoudai sur le bastingage, les yeux fixés sur cette montagne dont je reconnaissais le profil sublime, épiait, à mesure que le bateau s'approchait, le détail de ce paysage; et peu à peu, les anfractuosités de la rive se firent visibles, et les maisons dans les plis des vallées et le revêtement d'oliviers qui fait de Corfou comme un bois sacré au milieu de la mer.—BOURGET, *Études et Portraits*.

## 2. Translate into French :—

And as I went to the upper window to look for the fields we know, the witch spoke to me; but I was cross, as one newly waked from sleep, and I would not answer her. Then the cat questioned me as to whom I had met, and I answered him that in the fields we know cats kept their place, and did not speak to men. And then I came downstairs and walked straight out of the door, heading for Goby Street. 'You are going the wrong way,' the witch called through the window, and indeed I had sooner gone back to the ivory palace again, but I had no right to trespass any further on the hospitality of Singanee, and one cannot stay always in the Land of Dream; and what knowledge had that old witch of the call of the fields we know, or the little, though many, snares that bind our feet therein? So I paid no heed to her, but kept on, and came to Goby Street.

## PSYCHOLOGY.

MR. JOHNSTON.

[Candidates for Degree will do any *eight*, Senior Sophisters any *five*, questions.]

1. 'Subjective psychology must be supplemented by objective.' Explain.

2. What are the three main characteristics of conscious life?
3. What different theories have been advanced to explain the relation of Mind and Body? Which do you prefer, and why?
4. What is the psychological interest in Pascal's principle 'Il faut s'abêtir'?
5. What is meant by 'the purely abstract character' of psychological classification?
6. Under what conditions may an independent development of the life of thought and feeling take place?
7. Show that 'cognition is never completely divorced from will.'
8. Distinguish between *sensation* and *perception*.
9. How do 'free ideas' emerge?
10. Why do men love light rather than darkness?
11. What psychological facts are inconsistent with the doctrine of Exclusive Egoism?
12. How is the transition from involuntary to voluntary attention effected?

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ETHICS.

MR. ROGERS.

Write on two of the following subjects:—

1. The Problem of Ethics.
2. Greek Ethics.
3. Modern Ethics.
4. German Ethics.
5. The Ethics of Bolshevism.
6. The Ethics of Family Life.

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POLITICAL AND ECONOMIC SCIENCE.

MR. BASTABLE.

[A.]

(For Senior Sophisters only.)

1. Specify the chief causes for the localization of industries. How is the process of localization connected with the progress of division of labour?
2. Notice the questions that have to be considered in dealing with the *quantitative* distribution of incomes. Distinguish between real and nominal income.

3. Explain what is meant by 'the law of Parliament.' How is this law related to the general body of English law?

[B.]

(For Senior Sophisters and Degree Candidates.)

4. 'The history of the county franchise is comparatively simple . . . that of the borough franchise is far more complicated.' Explain this statement, and account for the difference in the two franchises.

5. Sketch the history of the modes of arranging differences between the two Houses of Parliament.

6. 'The distribution between wages and profits will depend on the relative strength of labour and capital.'

Comment on this statement, with special reference to the elements of strength on each side.

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[C.]

(For Degree Candidates only.)

7. Explain the way in which monopoly value is determined. How do monopoly values compare with competitive values?

8. Examine the effects of a tax on a commodity in altering price. How may the ulterior differ from the immediate effects?

9. Consider the influence of the Crown over the management of foreign affairs. Contrast the position in this respect of the Sovereigns of the nineteenth century with that of the present King.

Or,

In what different ways may a second chamber be constituted? Notice the position of a second chamber in a federal system.

[D.]

(For Trinity Supplementalists.)

10. Consider the advantages and disadvantages of the system under which the President of the United States is elected.

11. 'If a good despot could be ensured, despotic monarchy would be the best form of government.'

Examine this proposition with reference to the light thrown on it by experience.

12. How far is economic rent a factor in price? Apply your conclusion to the case of building-land.

13. What reasons have been advanced in support of the limitation of note issues?

14. Explain the following:—direct tax; progressive taxation; composite legal tender system; par of exchange.



EDUCATION.

MR. HENRY.

[Answer *four* questions.]

(*Senior Sophisters.*)

1. Trace the influence of asceticism and mysticism respectively upon mediaeval education.
2. Give a detailed account of the curriculum in a typical Western school of the eighth century.
3. 'The monkish and the knightly systems of training have become fused into our modern public school.' Elucidate and criticize this statement.
4. Explain the term 'apperceptive system,' and note its value for the educator.
5. Show by examples the use of organization in promoting efficient recall.
6. Describe and illustrate the connexion between emotional training and the formation of moral ideals.
7. Explain carefully how to grade subject-matter in language or science teaching so as to increase continuously in difficulty for pupils from eight to sixteen.

(*Degree Candidates.*)

[Questions 4, 5, and the following.]

8. Describe Froebel's philosophy and his educational practice, indicating any connexion or opposition between the two.
9. Show the importance of psychological and sociological theories respectively in determining contemporary practice in teaching.
10. What are the different types of ideas referred to by Adams, and the laws governing their mutual association?
11. 'In modern teaching passive attention more often leads to active than *vice versa*.' Discuss this statement.
12. Compare carefully the views of Newman and Spencer as to what is of most worth in education.
13. By what means does Dr. Montessori secure that the pupil's natural spontaneity is not destroyed?

(*Trinity Supplementalists.*)

[Questions 10, 11, and the following.]

14. What different conceptions of the humanistic ideal are possible in education? Sketch in detail that favoured by Montaigne.

15. Describe the progress of educational theory in France and Germany during the eighteenth century.

16. 'Some of the conceptions borrowed from formal logic might be fittingly introduced into the secondary school.' Illustrate this statement.

17. Give examples of the use of the method of 'concomitant variations' in testing hypotheses.

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ENGLISH COMPOSITION.

MR. ALTON.

*(For Senior Sophisters.)*

1. America and England in Franklin's day.
2. Hardships of rural life in Crabbe's day.

*(For Trinity Supplementalists.)*

1. Education in Utopia.
2. Carlyle's ideal man.

*(For Degree Supplementalists.)*

1. The Roman citizen in *Julius Caesar*.
2. Defects of our colonial system.

## Trinity Term, 1920.

## ENTRANCE EXAMINATION.

## APRIL.

## ARITHMETIC.

MR. HENRY.

1. Find, correct to three places of decimals, the value of

$$\frac{132.86502 \times .00789}{25.36841}.$$

2. Arrange in order of magnitude
- $\frac{2}{3}$
- ,
- $\frac{3}{4}$
- ,
- $\frac{1}{5}$
- ,
- $\frac{7}{9}$
- ,
- $\frac{10}{13}$
- ,
- $\frac{1920}{1921}$
- .

3. Calculate to the nearest shilling the cost of papering a room 22 feet by 15 feet 6 inches and 13 feet high with paper 27 inches wider costing £1 17s. 6d. per piece 12 yards long.

4. What is the difference between the simple and compound interest on £750 for three years at
- $6\frac{1}{2}$
- per cent. ?

5. A man calculates that he pays £15 less in income tax when 6s. in the pound is charged on his income after £360 has been deducted for exemptions than when he paid 3s. 9d. in the pound on the whole. Find his income.

6. What is meant by each of the following arithmetical terms:—prime number, decimal notation, true present worth, unitary method?

## ALGEBRA.

MR. H. THRIFT.

1. Simplify

$$(a - b)(a + b - 2c) + (b - c)(b + c - 2a) + (c - a)(c + a - 2b).$$

2. Divide

$$6x^4 + x^3 - 23x^2 + 43x - 35 \text{ by } 3x^2 - 4x + 5.$$

3. Add together the fractions

$$\frac{x-3}{x^2-3x+2}, \quad \frac{2x+1}{6-x-x^2}, \quad \frac{x-4}{x^2+2x-3}.$$

4. Solve the equation

$$\frac{4x+1}{x-3} - \frac{x-2}{x+3} = 3.$$

5. Solve the equations

$$\frac{x}{4} - \frac{y}{3} = 2,$$

$$2x + 3y = -1.$$

6. If a number consisting of two digits be subtracted from the number formed by reversing the digits, the result is 36. The difference of the squares of the digits is 40. Find the number.

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#### HISTORY AND GEOGRAPHY.

MR. GODFREY.

1. Where are:—Isle of Staffa, Glastonbury, Granada, Spitzbergen, Corfu, San Remo, Suez Canal, Quebec, and New Orleans?  
Note points of interest about each.
2. Give a rough map showing the seaports and chief rivers of France.
3. Why are the following places interesting historically:—Runnymede, Bannockburn, Utrecht, Naseby, Yorktown?
4. Outline the course of the Reformation in England.
5. Write historical notes on:—(a) 'The Mayflower,' (b) the Lollards, (c) the Petition of Right, (d) the first battle of Ypres.

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#### LATIN COMPOSITION.

MR. JOHNSTON.

Translate into Latin:—

1. Marcus and Tullia and their son Sextus live here with their servants.
2. Sextus was already twelve years old.
3. Travellers sometimes make long journeys.
4. Rich Romans frequently had several villas.
5. I know that they promised to come before sunset.
6. On the next day the English advanced by forced marches with the intention of attacking the French off their guard. But the latter had already learnt by means of spies that the English were advancing, and had taken up their position on the top of a mound. When the English came within range, the archers began to shoot their arrows at the enemy.



## FRENCH AND GERMAN.

PROFESSOR RUDMOSE-BROWN.

Translate into English :--

*Either—*

En disant ces mots, le guide avait tiré de sa poche une vieille gourde en cuir qui contenait encore quelques gouttes d'une mauvaise eau-de-vie du pays. 'A la guerre comme à la guerre,' dit-il, et en même temps il présentait la gourde aux lèvres de la jeune miss. Celle-ci goûta la liqueur et rendit la gourde avec un sourire de reconnaissance. Le guide y fit ensuite boire milord, puis il me la passa. Elle était légère. 'A vous, guide, lui dis-je.

— Buvez seulement, répliqua-t-il en s'appêtant à partir ; c'est à peine si vous y trouverez de quoi.' Puis, regardant au-dessus de sa tête : 'En route !' s'écria-t-il soudain, et comme surpris en voyant l'état du ciel.

*Or—*

August Graf von Platen Hallermünde wurde am 24. October 1795 zu Ansbach geboren. Er stammte aus einem norddeutschen altadligen, doch unbegüterten Geschlechte, das in einem seiner Zweige nach Süddeutschland übergesiedelt war. Seine Erziehung war einfach und wohlwollend, ohne Adelsprätensionen zu nähren. Für den Knaben wurde die militärische Laufbahn ins Auge gefasst. Gern ergriff man die Gelegenheit, dass ein Freund des Vaters 1806 des Knaben Eintritt in das Cadettencorps zu München vermittelte, eine Anstalt, die seinem strebsamen, nach freier Geistesbildung verlangenden Sinne nicht zusagen konnte, da sie durch pedantische Strenge ohne Förderung gründlicher Kenntnisse den Geist mehr niederdrückte, als erhob. Er war daher froh, als er 1810 unter die Pagen aufgenommen wurde. In diesem kleinen Kreise von sechzehn bis zwanzig Jünglingen konnte er sich frei bewegen und beschäftigte sich mit wachsendem Eifer mit classischer Literatur, wodurch sein Studium alter und neuer Sprachen, das später eine Staunen erregende Ausdehnung gewann, zuerst geweckt wurde.

2. Translate into French or German :—

On coming back to the hotel, I found supper served. A little table was reserved for me. Near by two Englishmen were seated. They were talking. I sat down and called the waiter. I listened to the conversation of my neighbours, and found it very interesting. At last the waiter approached, and I ordered my supper and a bottle of wine. The two Englishmen had finished, and soon went out.

## ENGLISH COMPOSITION.

MR. LUCE.

(Choose one subject.)

1. The motor car.
2. Higher education.
3. Penny postage.

## ENTRANCE EXAMINATION.

## MIDSUMMER.

## ARITHMETIC.

MR. FRY.

1. Multiply 11·57 by 184·3, and divide the result by ·247.
2. Add together, expressing the result as a recurring decimal,

$$581\cdot4\dot{3} + 17\cdot5\dot{2}1 + \cdot00\dot{4}.$$

3. Find the cost of 63 cwt. 3 qrs. 11 lbs. at £6 1s. 4d. per cwt.
4. Find the simple interest on £694 7s. 6d. for 1 year 4 months, at  $6\frac{3}{4}$  per cent.

5. How much paper, 27 inches wide, will be required to cover the walls and ceiling of a room 18 ft. long, 14 ft. broad, 10 ft. high, which has two windows 9 by 5 ft. and a fireplace 6 by 5?

6. Taking a metre to be 39·37 inches, how many kilometres are there in 80 miles?

7. A bankrupt owes *A* £1173 12s. 6d., *B* £825 13s. 4d., *C* £160 14s. 2d.; his estate is worth £1503: how much can he pay in the pound, and what will *C* receive?

8. Find to 6 places of decimals the value of

$$\frac{10}{11 + \sqrt{11}}.$$

## ALGEBRA.

MR. ROWE.

1. Divide  $a^3 - 27b^3 + c^3 + 9abc$  by  $3b - a - c$ .
2. Simplify

$$\frac{2x^3 - 17x^2 + 29x - 12}{4x^3 - 36x^2 + 27x + 27}.$$

3. Solve

$$4x - 3 - \frac{2(7x - 5)}{15} = \frac{3}{5} \left( 6 + \frac{2x - 1}{3} \right).$$

4. The expression  $x^2 + px + q$  is equal to 1 when  $x = \frac{1}{2}$ , and to 3 when  $x = 2$ . Find  $p$  and  $q$ .

5. Find to one decimal place the value of

$$\frac{ma - 2mb + 3mc}{a - b}$$

where

$$m = 5.63, \quad a = 2.95, \quad b = .34, \quad c = 1.48.$$

6. A man walks a certain distance at 4 miles an hour, and returns to his starting-point at 3 miles an hour. At what uniform rate would he have to go in order to do the same walk in the same time?

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### HISTORY AND GEOGRAPHY.

MR. JOHNSTON.

[Answer six questions.]

1. In what circumstances was *Magna Charta* obtained? What were its chief provisions?
2. Give a brief account of the Rebellion of Wat Tyler, and indicate the events that led up to it.
3. Write a note on the title 'Defender of the Faith.'
4. What do you know about the War of the Spanish Succession?
5. What were the chief terms of the Act of Union between Great Britain and Ireland?
6. What are the qualifications for Parliamentary votes under the Representation of the People Act, 1918?
7. Where are Teschen, Danzig, Kiev, Baku, Shantung, Dungannon, Beyrout, Amritsar, San Remo, Oklahoma?
8. What is the importance of Persia, Mesopotamia, Egypt, and Hong Kong to the British Empire?

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### LATIN COMPOSITION.

DR. GOLIGHER.

Translate into Latin:—

1. I fear that the general will not spare the captives.
2. Men who are too wise to get angry deserve to be called philosophers.
3. The mother wept, not because her daughter was lazy, but because she was not beautiful.
4. The young men came to Dublin on the 17th of June.
5. Ask Lucius why he gave that beggar a shilling.

6. Meanwhile the ambassadors had found Sulla in Greece, and had received his answer. He said that he would never be reconciled to such criminals as his enemies, though the Romans might, if they choose; and that, as for his own safety, he had an army devoted to him, and should prefer to secure the safety of the Senate and his own adherents.

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FRENCH AND GERMAN.

PROFESSOR RUDMOSE-BROWN.

I. Translate into English :—

*Either,*

*Le Roi.* Tu n'es pas pour moi un simple bourgeois et le premier venu ! Je n'ai pas oublié les bonnes heures que nous avons passées dans ton jardin, celui-là même qui entoure cette maison amie, quand je n'étais encore que dauphin de France. Au moment si cruel où je faisais à mes dépens le dur apprentissage de la vie, toi, humble et fidèle serviteur, tu m'as aidé de ta bourse ; bien plus, tu as risqué ta vie pour moi. Je sais comment ! Ce sont des souvenirs que rien ne peut effacer, mon brave et digne ami Simon.

*Simon Fourniez.* Ah ! Sire, pardonnez. Je pleure de joie. Je n'ai pas attendu, moi, pour me donner à vous, que vous fussiez le roi et le maître tout-puissant, car il ne nous avait fallu qu'un moment pour nous entendre ! Bourgeois né dans le peuple, pensant et sentant comme lui, je devinais avec quelle ardeur vous aimiez notre pauvre pays déchiré. Or, il nous fallait un chef, un chef à la main rude et vaillante, qui fût un père pour nous, un maître inflexible pour les bergers qui tondaient de trop près notre laine. Vous étiez notre homme, et nous le comprenions !

*Le Roi.* Voilà parler. Vive Dieu ! Simon Fourniez, tu as raison, mon peuple et mes bourgeois sont ce que je préfère à tout au monde. Si je suis venu aujourd'hui te demander à souper, c'est que, Dieu merci, je puis enfin prendre un peu de repos : je l'ai gagné !

*Or,*

*Edmund.* Herr Professor, es ist besorgt !

*Otto.* Gut.

*Antonie.* Du willst nach den Sitten der Alten leben ? Sieh dich einmal an, mit diesem Schlafrocke, dem weissen Halstuche, der langen Pfeife—und denke dir, du wärest Plato oder Sokrates, musst du nicht lachen ? -Denke dir : Cicero wäre in deiner gestrigen Kleidung, im schwarzen Frack mit rundem Hute, in den römischen Senat getreten, um eine seiner berühmten Reden zu halten ! Oder denke dir, ein römischer Jüngling, der die Toga vir—vir—

*Otto.* Virilis.

*Antonie.* Virilis empfängt, hätte ausgesehen wie dieser Herr Famule—musst du nicht lachen ?

*Otto.* Du suchst es in den Ausserlichkeiten, aber folge mir in das Wesen der Sache.

*Antonie.* Dass ich nicht klug wäre ! Ich bleibe bei dem was ich



verstehe. Uebrigens sprich nicht so verächtlich von den Aeusserlichkeiten, in ihnen liegt die Schönheit, und das Gefühl für Schönheit war eine der grössten Tugenden des Altertums. Davon lehrt ihr auf eurem Katheder wohl nichts?

2. Translate into French or German :—

The king knocked at the door of the cottage. He had lost his way in the wood. He had been wandering all day and half the night. The door was opened. A peasant appeared. 'The king was very tired. He asked: 'May I come in and rest myself a little?' But the peasant replied: 'Where did you steal that crown and that cloak?' The king was angry, and said: 'Speak more politely. If not, I will have your head cut off.' The other retorted: 'So you are not only a thief, but you are mad as well. Go away, I have no room for thieves and madmen.' So the king departed, sadly.

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ENGLISH COMPOSITION.

MR. R. M. GWYNN.

Write an Essay on *one* of the following subjects:—

1. Public Opinion.
2. Ancient Ireland.
3. Water Sports.
4. Railway Travel.
5. School Libraries.

## JUNIOR FRESHMEN SUPPLEMENTING HILARY EXAMINATION.

### GEOMETRY.

MR. H. THRIFT.

#### *Theoretical.*

1. If the square described on one side of a triangle is equal to the sum of the squares described on the other two sides, prove that the triangle is right-angled.
2. Divide a line into two parts so that the rectangle contained by the whole line and one part shall be equal to the square on the other part.
3. If one circle touch another internally, prove that the straight line which joins their centres passes through the point of contact.
4. Prove that the bisector of the vertical angle of a triangle divides the base into two portions which have to one another the same ratio as the sides of the triangle.
5. If two triangles have one angle of the one equal to one angle of the other and the sides about the equal angles proportionals, prove that the triangles are similar.
6. Prove that similar triangles are to one another in the duplicate ratio of their homologous sides.

#### *Practical.*

[Take as unit of length either a centimetre or a half-inch, and state which unit you adopt.

No proof need be given, but the method of construction should be stated.]

7. Construct a triangle whose sides are  $5\frac{1}{2}$ ,  $6\frac{1}{2}$ ,  $7\frac{1}{2}$  units long, and describe a circle touching its three sides. Measure the radius of the circle.
8. Describe an equilateral triangle whose area shall be equal to the difference between the areas of two equilateral triangles whose sides are 9 and 5 units long.

### ALGEBRA AND ARITHMETIC.

MR. HENRY.

1. Divide

$$x^3 + xy - y^3 + \frac{1}{27} \quad \text{by} \quad x - y + \frac{1}{3}.$$

2. Solve the equation

$$\frac{6x-1}{4} - \frac{10x+7}{66} - \frac{8x-2}{11} = 1,$$

and verify your answer.

3. Find to two places of decimals the roots of the equation

$$3x^2 - 8x - 66 = 0.$$

4. Prove the formula which gives the roots of the quadratic equation  $x^2 + ax + b = 0$ , and find the relation between  $a$ ,  $b$  when one root is double the other.

5. Find the square root of  $67 + 6\sqrt{7}$ .

6. What is meant by a prime number? Explain how to find the prime factors of a given number. In a division sum involving whole numbers only, the dividend is 818 and the remainder 15. Infer the values of divisor and quotient.

7. A garden plot is 75 ft. long and 30 ft. wide. Calculate the cost of putting a cement path 3 ft. wide around and outside it, if cement costs 13 shillings per square yard.

8. Find the amount at simple interest of £5,377 10s. in  $2\frac{1}{2}$  years at  $6\frac{1}{2}$  per cent.

9. Which is the more profitable investment, 6 per cent. stock at 90 on which 6s. in the pound income tax is charged, or 5 per cent. at par, free of income tax?

10. What sum of money will amount to £572 9s. after two years at 7 per cent. per annum, compound interest?

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LATIN.

DR. GOLIGHER.

[A.]

[Candidate should attempt *either* the Unprescribed Passage *or* the Composition.]

#### UNPRESCRIBED PASSAGE.

Principio huius anni oratores Lucanorum ad novos consules venerunt questum, quia condicionibus pellicere se nequiverint ad societatem armorum, Samnites infesto exercitu ingressos fines suos vastare belloque ad bellum cogere. Lucano populo satis superque erratum quondam; nunc ita obstinatos animos esse, ut omnia ferre ac pati tolerabilius ducant, quam ut unquam postea nomen Romanum violent. Orare patres ut et Lucanos in fidem accipiant et vim atque iniuriam ab se Samnitium arceant; se, quamquam bello cum Samnitibus suscepto necessaria iam facta adversus Romanos fides sit, tamen obsides dare paratos esse.—LIVY.

## FOR LATIN COMPOSITION.

The Plataeans now, pressed by famine, surrendered to the Lacedaemonians. The latter had discovered by a pretended attack that the garrison was unable to defend the walls, and sent a herald to propose that they should surrender, and that the Lacedaemonians should be their judges. The commanders had been instructed to do this, as it was expected that, in case of peace, the conquests on both sides would be restored, and they wished to retain Plataea, which they could do if it voluntarily capitulated.

[B.]

## 1. Translate :—

Ne forte credas interitura, quae  
 Longe sonantem natus ad Aufidum  
 Non ante volgas per artes  
 Verba loquor socianda chordis :  
 Non, si priores Maeonius tenet  
 Sedes Homerus, Pindaricae latent  
 Caeaeque et Alcae minaces  
 Stesichorique graves Camenae ;  
 Nec, si quid olim lusit Anacreon,  
 Delevit aetas ; spirat adhuc amor  
 Vivuntque commissi calores  
 Aeoliae fidibus puellae.

HORACE.

2. Scan the first stanza.
3. Write short notes on the proper names in the passage above.
4. Parse and give the principal parts of—credas, natus, lusit, vivunt, commissi.

## GREEK.

MR. GODFREY.

## 1. Translate :—

Ἀλκιβιάδης δ' ἐκ τῆς Σάμου ἔχων τὰ χρήματα κατέπλευσεν εἰς Πάρον ναυσὶν εἴκοσιν, ἐκεῖθεν δ' ἀνήχθη εὐθὺς Γυθείου ἐπὶ κατασκοπὴν τῶν τριήρων, ἃς ἐπυνθάνετο Λακεδαιμονίους αὐτόθι παρασκευάζειν τριάκοντα, καὶ τοῦ οἴκαδε κατάπλου ὅπως ἡ πόλις πρὸς αὐτὸν ἔχει. ἐπεὶ δ' ἑώρα ἑαυτῷ εὖνουν οὖσαν καὶ στρατηγὸν αὐτὸν ἡρημένους καὶ ἰδίᾳ μεταπεμπομένους τοὺς ἐπιτηδεῖους, κατέπλευσεν εἰς τὸν Πειραιᾶ ἡμέρᾳ ᾗ Πλυντήρια ἦγεν ἡ πόλις, τοῦ ἔδους κατακεκαλυμμένου τῆς Ἀθηναῖς, ὃ τινες οἰωνίζοντο ἀνεπιτήδειον εἶναι καὶ αὐτῷ καὶ τῇ πόλει. Ἀθηναῖων γὰρ οὐδεὶς ἐν ταύτῃ τῇ ἡμέρᾳ οὐδενὸς σπουδαίου ἔργου τολμήσαι ἂν ᾤψασθαι. καταπλέοντος δ' αὐτοῦ ὃ τε ἐκ τοῦ Πειραιῶς καὶ ὃ ἐκ τοῦ ἁστεως ὄχλος ἡθροίσθη πρὸς τὰς ναῦς, θαυμάζοντες καὶ ἰδεῖν βουλόμενοι τὸν Ἀλκιβιάδην, λέγοντες οἱ μὲν ὡς κράτιστος εἴη τῶν πολιτῶν καὶ μόνος οὐ δικαίως φύγοι, ἐπιβουλευθεὶς δὲ ὑπὸ τῶν ἑλαττον ἐκείνου δυναμένων, μοχθηρότερα τε λεγόντων καὶ πρὸς τὸ αὐτῶν ἴδιον κέρδος πολιτευόντων, ἐκείνου ἀεὶ τὸ κοινὸν αὔξωντος καὶ ἀπὸ τῶν αὐτοῦ καὶ ἀπὸ τοῦ τῆς πόλεως δυνατοῦ.—XENOPHON.



2. Give the meanings of:—δεκατευτήριον, λακωνισταί, προπιών, ἀναψύχων, ἐφοδιασόμενος.

3. Summarize the chief events related in the first book of the Hellenica.

## FRENCH AND GERMAN.

PROFESSOR RUDMOSE-BROWN.

1. Translate into English :—

*Either,*

Un soir que Melchior dînait en ville, Gottfried, resté seul dans la salle du bas, tandis que Louisa couchait les deux petits, sortit, et alla s'asseoir à quelques pas de la maison, au bord du fleuve. Christophe l'y suivit par désœuvrement ; et, comme d'habitude, il le persécuta de ses agaceries de jeune chien, jusqu'à ce qu'il fût essoufflé et se laissât rouler sur l'herbe à ses pieds. Couché sur le ventre, il s'enfonça le nez dans le gazon. Quand il eut repris haleine, il chercha quelque nouvelle sottise à dire ; et, l'ayant trouvée, il la cria, en se tordant de rire, la figure toujours enfouie en terre. Rien ne lui répondit. Étonné de ce silence, il leva la tête, et s'apprêta à redire son bon mot. Son regard rencontra le visage de Gottfried, éclairé par les dernières lueurs du jour qui s'éteignait, dans des vapeurs dorées. Sa phrase lui resta dans la gorge. Gottfried souriait, les yeux à demi fermés, la bouche entr'ouverte ; et sa figure souffreteuse était d'un sérieux indicible. Christophe, appuyé sur les coudes, se mit à l'observer.

*Or,*

Auf der Höhe angelangt hiess es : Halt ! Gewehr ab !—und mit offenem Munde, mit weit geöffneten Augen erblickte ich an diesem Tage zum erstenmal das Chaos der Schlacht. Es war ein unbeschreiblich grosseartiger Anblick. Wie das wogte und hin- und herschob. Der Pulverdampf lagerte nicht schwer, so dass wir deutlich die einzelnen Vatterieen unterscheiden konnten, hüben und drüben. Rauch und Flammen, oft wie dicke schwarze und gelbe Türme, zornen zum Himmel auf.

Einer meiner Kameraden, an mich herantretend, deutete auf unsere drei rote Husarenregimenter und meinte,—das Wort ist bekannt geworden—sie schwämmen wie drei rote Erdbeeren zwischen den dunklen Massen.

Plötzlich klang überall das sich überhastende Kommando : Die Fahnen entrollen ! und in der nächsten Sekunde flatterten die heiligen Adler über uns im erquicklichsten Winde, der seit kurzem unsere Gesichter kühlte.

2. Translate into French or German :—

Two days after this, he set out for Paris. It was a long journey. It took him three days to get there. When he arrived he put up at the first inn he saw. He had not been there more than an hour when he

was told that a man wished to see him. He could not understand how anyone had discovered that he was there. But he went downstairs and found a tall, thin man with a big black hat, with the ugliest face he had ever seen. 'This man must be a scoundrel,' he said to himself. But aloud he said, 'What can I do for you? I am at your service.'

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### ENGLISH COMPOSITION.

MR. R. M. GWYNN.

Write an essay on one of the following subjects:—

1. The different types of courage displayed by the leading characters in *Quentin Durward*.
2. The Gipsy.
3. The Lady of Romance in Tennyson.
4. A comparison between Lord Kitchener and the Wellington of Tennyson.

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### JUNIOR FRESHMEN.

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#### GEOMETRY.

MR. H. THRIFT.

[Only EIGHT questions need be attempted.]

#### *Theoretical.*

1. Prove that two parallelograms which are on the same base and between the same parallels are equal in area.
2. If  $a$  and  $b$  are two linear magnitudes,  $a$  being greater than  $b$ , prove geometrically that  $(a + b)(a - b) = a^2 - b^2$ .
3. If a straight line touches a circle, and from the point of contact a straight line is drawn dividing the circle into two segments, prove that the angles made with this line by the tangent are equal to the angles in the alternate segments.
4.  $AB$  and  $XY$  are two chords of a circle intersecting in a point  $O$ : prove that the rectangle  $AO \cdot OB$  is equal to the rectangle  $XO \cdot OY$ .
5. If two triangles have their sides proportional, prove that they are equiangular.

6. Prove that similar polygons may be divided up into the same number of similar triangles, and that the polygons are to one another in the duplicate ratio of their homologous sides.

7. Prove that any rectilineal figure on the base of a right-angled triangle is equal in area to the sum of the areas of the similar figures similarly described on the sides containing the right angle.

*Practical.*

[Take as unit of length either a centimetre or a half-inch, and state which unit you adopt.]

8. Construct a square equal in area to a triangle whose sides are 5, 6, 7 units in length.

9. Construct geometrically a third proportional to, and a mean proportional between, two lines whose lengths are 3 and 4 units.

10. Construct a figure similar to a triangle whose sides are 4, 5, 6 units long, and whose area is equal to the area of the square on a line 2 units long.

ALGEBRA AND ARITHMETIC.

MR. FRASER.

1. Simplify the expression

$$\frac{x+bc}{(a-b)(a-c)} + \frac{x+ca}{(b-c)(b-a)} + \frac{x+ab}{(c-a)(c-b)}.$$

2. Factorize the expression

$$4(ab+cd) - (a^2 + b^2 - c^2 - d^2)^2.$$

3. Solve the equation

$$x^2(b-c) + ax(c-a) + a^2(a-b) = 0.$$

4. Find the value of

$$\frac{\sqrt{3} + \sqrt{7}}{2\sqrt{147} - \sqrt{175} - 5\sqrt{3} - 4\sqrt{7}}.$$

5. Find values of  $x$  and  $y$  which satisfy the equations

$$\begin{aligned} x - y &= 10, \\ x^2 - 2xy - 3y^2 &= 84. \end{aligned}$$

6. A person spends one-third of his income, saves one-fourth, and pays away 5 per cent. on the whole as interest at  $7\frac{1}{2}$  per cent. on debts previously incurred, and then has £110 remaining: what was the amount of his debts?

7. Find the simple interest on £1,345 borrowed on 13th January, 1896, and repaid on 25th September, 1896, at 5 per cent. per annum.

8. A man buys a farm at £26,333 6s. 8d., and pays £20,000 down: find what additional sum he should pay at the end of two years, reckoning compound interest at  $5\frac{1}{2}$  per cent.

9. Find the income arising from an investment of £8,000 in a 4 per cent. stock at 92 after deducting an income tax at 6s.

10. A cask contains 150 gallons, of which 65 per cent. is wine and the rest is water. How much wine must be added to raise the proportion to 85 per cent.?

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TRIGONOMETRY.

MR. WEBB.

1. Given  $\sin A = \cdot 62$ ,  $C = 90^\circ$ , and  $c = 30$ , find  $b$  to two places of decimals.

2. Prove  $c = a \cos B + b \cos A$  when  $A$  and  $B$  are both acute, and also when one of them is obtuse.

3. Prove the formula for  $\cos(A + B)$  when  $A$  and  $B$  are each acute, but their sum exceeds a right angle.

4. A distant body subtends an angle of  $29' 30''$  at the eye of the observer. If its diameter be 4394 miles, how far away is it?

5. If  $A$ ,  $B$ ,  $C$ , are the angles of a triangle, show that

$$\sin A + \sin B + \sin C = 4 \cos \frac{A}{2} \cos \frac{B}{2} \cos \frac{C}{2}.$$

6. Prove that in a plane triangle

$$\tan \frac{A - B}{2} = \frac{a - b}{a + b} \cot \frac{C}{2}.$$

7. Explain how it is possible, by measurement of angles and of distances on an accessible part of a plane to find the distance between two inaccessible points on the plane.

8. Find the values of  $\tan A$  which satisfy the equation

$$4 \tan 2 A + 3 \tan A - 5 \cot A = 0.$$

9. I walk 5 miles due East, and then 4 miles in a direction  $60^\circ$  North of East. How far, as the crow flies, will I be from my starting-point then?

10. Say why you think it useful or sensible or both to agree that the cosine of an obtuse angle is to be considered as equal but opposite in sign to the cosine of its supplement.



## CLASSICS.

MR. JOHNSTON.

## LATIN.

Translate :—

Talibus Ilionei dictis defixa Latinus  
 Obtutu tenet ora, soloque immobilis *haeret*,  
 Intentos volvens oculos. Nec purpura regem  
 Picta movet, nec sceptras movent Priameia tantum,  
 Quantum in conubio natae thalamoque moratur,  
 Et veteris Fauni *volvit* sub pectore sortem.  
 Hunc illum fatis externa ab sede profectum  
 Portendi generum, paribusque in regna vocari  
 Auspiciis; huic progeniem virtute futuram  
 Egregiam, et totum quae viribus occupet orbem.  
 Tandem laetus ait: 'Di nostra incepta *secundent*,  
 Auguriumque suum! Dabitur, Troiane, quod optas;  
 Munera nec *sperno*. Non vobis, rege Latino,  
 Divitis uber agri Troiaeve opulentia *deerit*.  
 Ipse modo Aeneas, nostri si tanta cupido est,  
 Si iungi hospitio properat sociusque vocari,  
 Adveniat, voltus neve exhorrescat amicos.  
 Pars mihi pacis erit, dextram *tetigisse* tyranni.  
 Vos contra regi mea nunc mandata referte.  
 Est mihi nata, viro gentis quam iungere nostrae  
 Non patrio ex adyto sortes, non plurima caelo  
 Monstra *sinunt*: generos externis adfore ab oris,  
 Hoc Latio restare canunt, qui sanguine nostrum  
 Nomen in astra ferant. Hunc illum poscere fata  
 Et *reor*, et, si quid veri mens augurat, opto.'

1. Parse and give the principal parts of the verbs italicized.
2. Complete the quotations:—

Sola salus victis ———  
 Infandum, regina, ———  
 Non tali auxilio ———

## GREEK.

SIR R. W. TATE.

Translate :—

τὸν δ' αὖ Ναυσικάα λευκώλενος ἀντίον ἦῴδα·  
 “ξείν’, ἐπεὶ οὔτε κακῶ οὔτ’ ἄφρονι φωτὶ ἔοικας,  
 Ζεὺς δ’ αὐτὸς νέμει ὕλβον Ὀλύμπιος ἀνθρώποισιν,  
 ἐσθλοῖς ἡδὲ κακοῖσιν, ὅπως ἐθέλῃσιν, ἐκάστω·  
 καὶ που σοὶ τὰδ’ ἔδωκε, σὲ δὲ χρὴ τετλάμεν ἔμπης.  
 νῦν δ’, ἐπεὶ ἡμετέρεν τε πόλιν καὶ γαίαν ἰκάνεις,  
 οὔτ’ οὖν ἐσθλῆτος δευήσεται οὔτε τευ ἄλλου,

ὦν ἐπέοιχ' ἰκέτην ταλαπείριον ἀντιάσαντα.  
 ἄστν δέ τοι δείξω, ἐρέω δέ τοι οὖνομα λαῶν.  
 Φαίηκες μὲν τήνδε πόλιν καὶ γαῖαν ἔχουσιν,  
 εἰμὶ δ' ἐγὼ θυγάτηρ μεγαλήτορος Ἀλκινόοιο,  
 τοῦ δ' ἐκ Φαίηκων ἔχεται κάρτος τε βίη τε."

2. Parse—*φωτί, ἐθέλῃσιν, ἔδωκε, τετλάμεν, δευήσεται, ἀντιάσαντα.*

3. Give the meanings of the following words:—*τρύπανον, μέτασσαι, πῖαρ, εὐδείελος, ὄργυια, γλήνη.*

FRENCH.

PROFESSOR RUDMOSE-BROWN.

1. Translate into English:—

Dans un grand jardin entouré de haies et ombragé de vieux ormes, deux hommes étaient assis. Le plus jeune avait vingt-quatre ans. Blond et vigoureux, il avait l'air militaire. L'autre, plus âgé, était plus faible. Il avait une figure fine et belle, de très grands yeux presque noirs, et des cheveux noirs qui tombaient en boucles jusque sur ses épaules. Il faisait beau et chaud. Le soleil, près de coucher, jetait ses rayons obliquement à travers le feuillage. Une brise tiède et embaumée soufflait. Tout autour de magnifiques parterres s'étendaient où fleurissaient toutes sortes de plantes rares. Les deux hommes avaient soupé en plein air. Il restait sur la table deux tasses de café et deux petits verres. Enfin, ayant vidé sa tasse d'un seul trait, le jeune officier se leva et s'adressant son compagnon: 'Ainsi,' dit-il, 'c'est entendu. C'est pour demain à huit heures. Attendez-moi sur le pont.' 'Bien,' dit l'autre, et se tut. Le soldat partit.

2. Translate into French:—

On a fine September evening, the band was playing in the square. All the townspeople were gathered there. Some were seated on chairs round the fountain; others were walking. Suddenly it began to rain. Everybody went home, except two men who remained, sitting on a seat in the gardens. The sun set. It was still raining. But the two men did not go away. They seemed to be discussing important business. At last one of them got up and said to the other, 'We shall meet again to-morrow.' They did not see each other again. The next day the town had been taken by the enemy.

ENGLISH COMPOSITION.

MR. LUCE.

[Choose *one* subject.]

1. The Scottish Chieftain in Romance.
2. The migration of a people.
3. Presence of mind at a crisis.

# SENIOR FRESHMEN AND FINAL FRESHMAN SUPPLEMENTALISTS.

## ALGEBRA.

MR. ROGERS.

1. Solve the equation

$$\frac{3x-5}{7} - \frac{4x-3}{3} = \frac{5x-1}{21}.$$

2. Find  $x, y, z$  from the equations

$$\begin{aligned} x + y + z + 1 &= 0, \\ 2x - y + z &= 0, \\ 2x + z &= 0. \end{aligned}$$

3. Find to two decimal places the roots of

$$3x^2 - 19x + 21 = 0.$$

4. Find to two decimal places the value of

$$\sqrt{1 + .7 \times d^2},$$

when  $d = 3.2$ .

5. Think of a number, double it, add one, square, subtract one, divide by four times the original number, subtract the original number. What remains in every case? Prove your conclusion by algebra.

6. A straight line is divided into two parts so that the rectangle under the whole line and one part is equal to twice the square on the other part. Find in the form of a surd the ratio of the larger part to the whole line.

7. Find the factors of

$$a^2(y-z) + y^2(z-a) + z^2(a-y).$$

8. Find the compound interest on £1300 for 2 years at 5 per cent.

9. Find to one decimal place the value of

$$\sqrt{x^2 y^3 z^2},$$

where

$$x = 1.2, \quad y = 9, \quad z = 2.5.$$

10. A man sells  $3\frac{1}{2}$  per cent. stock at 80 and buys  $5\frac{1}{2}$  per cent. stock at par. Find the percentage change in his income.

## TRIGONOMETRY.

MR. FRASER.

1. Show how to determine the two ordinary units of angular measurement.

- (a) Find the circular measure of  $21^\circ$ , and the number of degrees in the angle whose circular measure is  $\frac{3}{4}$ .

2. Prove

$$(a) \frac{1}{1 + \tan^2 A} + \frac{1}{1 + \cot^2 A} = 1,$$

$$(b) (\sin A + \cos A)^3 + (\sin A - \cos A)^3 = 2 \sin A (3 - 2 \sin^2 A).$$

3. Given the side  $a$  of a triangle and the angles  $B$  and  $C$ , find the radius of the inscribed circle.

4. If  $x$  is a very small angle, prove that

$$x = (u - 1) \tan z \quad \text{if} \quad \sin(z + x) = u \sin z.$$

5. Find the two triangles whose common parts are

$$a = \sqrt{2}, \quad b = 2, \quad \text{and} \quad A = 30^\circ.$$

6. If  $A, B, C$  denote the angles of a triangle, prove that

$$\tan 2A + \tan 2B + \tan 2C = \tan 2A \tan 2B \tan 2C.$$

7. Prove that

$$\frac{\sin A - \sin B}{\sin A + \sin B} = \frac{\tan \frac{1}{2}(A - B)}{\tan \frac{1}{2}(A + B)}.$$

8. State the observations which must be made and the calculations when the distance between two inaccessible objects  $C, D$  has to be determined by means of observations from the extremities of a base  $AB$ .

9. Show how to divide an angle of  $45^\circ$  into two parts  $A$  and  $B$  so that  $\tan A = 2 \tan B$ .

10. Write a short note on the use of logarithms.

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### LOGIC.

MR. KENNEDY.

1. (a) What is the difference between an analytic and a synthetic proposition? Give examples.

(b) What is the difference between the analytic and the synthetic method of studying or teaching any science? Show which of the two methods is followed in Abbott's Logic.

2. State, with examples, the meaning of each of the following words:—*abstract, concrete, contradictory, contrary, property, accident*.

3. Show that in logical division the part (= member of division) is, in one sense, less than the whole, in another sense more.

4. Give examples of modal propositions, and show how they may be changed into equivalent categorical propositions.

5. Show that if either premiss is particular the conclusion is particular.

6. Give an example, in words, not symbols, of *Bokardo*, and reduce it both indirectly and directly.

7. Suppose one or both of the premisses in a categorical syllogism to be false; what can be inferred as to the conclusion? Support your answer by reference to one of the rules of conditional syllogisms.



8. Take examples of some of the syllogistic fallacies, and show that the fault lies in there being more than three Terms in the syllogism.

9. (a) Aristotle sought to bring all mediate reasoning under a single principle: explain.

(b) What view did Mill take of deductive reasoning?

10. What are the two principles on which Induction rests, and what is the evidence for these principles?

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#### MECHANICS.

MR. W. E. THRIFT.

1. Prove the rule for finding the resultant of two parallel forces acting in the same direction upon a rigid body.

2. A uniform bar 16 feet long, weighing 12 lbs., has weights 16, 7, and 6 lbs. placed on it at distances from one end of 3 feet, 6 feet, and 10 feet respectively. Find where a single prop should be placed so as to support the system, and find the pressure on the prop.

3. A ladder 13 feet long and weighing 84 lbs. is placed with one end against a smooth vertical wall and the other on a rough floor 5 feet from the wall. If the coefficient of friction is  $\frac{1}{4}$ , find how far a man weighing 126 lbs. can ascend it before the ladder begins to slip.

4. Draw a diagram to show how four light pulleys can be arranged so that a pull of 1 lb. may support a weight of 15 lbs., and mark the tensions of the strings.

5. Show that two couples acting in one plane upon a rigid body will balance one another if their moments are equal and opposite.

6. A plate of metal of uniform thickness is cut in the shape of an isosceles right-angled triangle, with squares described on its sides as in the figure of Euclid I, 47. Find the position of its centre of gravity if the base of the triangle is 6 inches long.

7. State the Principle of Work as applied to machines, and apply it to find the relation between the force applied to the arm of a screw-press and the force exerted between the plates of the press.

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#### LATIN.

MR. GODFREY.

Translate into Latin:—

1. Orders were issued to the men to push on by forced marches, and prevent the enemy from crossing the frontier.

2. Vercingetorix said that it would be easy to prevent the Romans from obtaining provisions: let them only themselves resolutely destroy their corn and burn their houses.

3. When the advance of spring allowed the troops to move, Caesar called a council of Gallic chiefs. He said nothing of the information which had reached him respecting their correspondence with the new invaders, but, with his usual swiftness of action, he made up his mind to act without waiting for disaffection to show itself. He advanced at once to the Ardennes, where he was met by envoys from the German camp. They said that they had been expelled from their country, and had come to Gaul in search of a home; they did not wish to quarrel with the Romans; if Caesar would protect them, and give them lands, they promised to be useful to him; if he refused their alliance, they declared that they would protect themselves.

Translate into English:—

- Suc. Huic ego die nomen Trinummo facio: nam ego operam meam  
Tribus nummis hodie locavi ad artis naugatorias.  
Advenio ex Seleucia, Macedonia, Asia atque Arabia,  
Quas ego neque oculis neque pedibus umquam usurpavi meis.  
Viden egestas quid negoti dat homini misero mali?  
Quin ego nunc subigor trium nummum causa, ut hasce epistulas  
Dicam ab eo homine me accepisse, quem ego qui sit homo nescio,  
Neque novi neque natus necne fuerit, id solide scio.
- Ch. Pol hic quidem fungino generest: capite se totum tegit.  
Hilurica facies videtur hominis: eo ornatu advenit.
- Suc. Ille qui me conduxit, ubi conduxit, abduxit domum:  
Quae voluit, mihi dixit, docuit, et praemonstravit prius,  
Quo modo quidque agerem. Nunc adeo, si quid ego addidero  
amplius,  
Eo conductor melius de me nogas conciliaverit.  
Ut ille me exornavit, ita sum ornatus: argentum hoc facit:  
Ipse ornamenta a chorago haec sumpsit suo periculo.  
Nunc ego si potero ornamentis hominem circumducere,  
Dabo operam, ut me esse ipsum plane sucophantam sentiat.

PLAUTUS.

2. What is the meaning of—*dormitator, solstitialis, morbus, vestiplica, cuppes*?

3. Explain the relation of Plautus to Greek comedy.

GREEK.

MR. CANNING.

Translate:—

ἐπίσταμαί γε κοῦκ ἄφνω κακὸν τόδε  
προσέπτατ'· εἰδὼς δ' αὐτ' ἐτειρόμην πάλαι.  
ἀλλ' ἐκφορὰν γὰρ τοῦδε θήσομαι νεκροῦ,  
πάρεστε καὶ μένοντες ἀντηχήσατε  
παιᾶνα τῷ κάτωθεν ἀσπόνδῳ θεῷ.  
πᾶσιν δὲ Θεσσαλοῖσιν ὧν ἐγὼ κρατῶ  
πένθους γυναικὸς τῇσδε κοινοῦσθαι λέγω

κουρᾷ ξυρήκει καὶ μελαγχίμοις πέπλοις·  
 τέθριππά θ' οἱ ζεύγνυσθε καὶ μονάμπυκας  
 πώλους, σιδήρῳ τέμνεται αὐχένων φόβον.  
 αὐλῶν δὲ μὴ κατ' ἄστυ, μὴ λύρας κτύπος  
 ἔστω σελήνας δώδεκ' ἐκπληρουμένας.  
 οὐ γάρ τιν' ἄλλον φίλτερον θάψω νεκρὸν  
 τοῦδ' οὐδ' ἀμείνον' εἰς ἔμ'. ἀξία δέ μοι  
 τιμᾶν, ἐπεὶ τέτληκεν ἀντ' ἐμοῦ θανεῖν.

EURIPIDES.

1. Scan the first three lines of the above passage.
2. Parse (giving the principal parts of the verb) the underlined words.

## FRENCH AND GERMAN.

PROFESSOR RUDMOSE-BROWN.

1. Translate into English : --

*Either—*

Lessing le comprit et se hâta de s'approprier les principales idées de Diderot, en y apportant un certain tempérament. C'est là qu'il a puisé ses principes sur le jeu des acteurs, sur la déclamation, sur la pantomime ; comme son maître, il permet au comédien de se substituer au poëte et de le corriger, s'il a eu quelque défaillance ; mais il se sépare complètement de lui quand il s'agit des caractères. Quelle que soit en effet la condition qu'on représente, il faut toujours donner un caractère au personnage ; si on est avocat, on l'est d'une certaine manière, et de plus on ne cesse pas d'être homme. Diderot, au lieu de représenter la nature, la mutilait et aboutissait dans la pratique à de grandes singularités. Malgré ces divergences, Lessing est bien le disciple de Diderot, et ses drames surtout témoignent de l'influence de l'écrivain français.

*Or—*

Wenn Shakespeare nicht ein eben so grosser Schauspieler in der Ausübung gewesen ist, als er ein dramatischer Dichter war, so hat er doch wenigstens eben so gut gewusst, was zu der Kunst des einen, als was zu der Kunst des andern gehört. Ja vielleicht hatte er über die Kunst des erstern um so viel tiefer nachgedacht, weil er so viel weniger Genie dazu hatte. Wenigstens ist jedes Wort, das er dem Hamlet, wenn er die Komödianten abrichtet, in den Mund legt, eine goldene Regel für alle Schauspieler denen an einem vernünftigen Beifalle gelegen ist. „Ich bitte Euch“ lässt er ihn unter andern zu dem Komödianten sagen, „sprecht die Rede so, wie ich sie Euch vorsagte ; die Zunge muss nur eben darüber hinlaufen. Aber wenn Ihr mir sie so heraushalset, wie es manche von unsern Schauspielern thun : seht, so wäre mir es eben so lieb gewesen, wenn der Stadtschreiber meine Verse gesagt hätte. Auch durchsägt mir mit Eurer Hand nicht so sehr die Luft, sondern macht Alles hübschartig ; denn mitten in dem Strome, mitten in dem Sturme, mitten, so zu reden, in dem Wirbelwinde der Leidenschaften, müsst Ihr noch einen Grad von Mässigung beobachten, der ihnen das Glatte und Geschmeidige gibt.“

## 2. Translate into French or German :—

She opened the door, went out, crossed the park, and entered the wood. The moon was shining, but did not penetrate the depths of the forest. She found the path with difficulty. Several times she hesitated, stopped, and went on again. At last she reached a clearing, where there was a cottage. She went up to the door, knocked, and waited. After some time the door was opened and she was admitted. It was then 4 o'clock in the morning.

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## ENGLISH COMPOSITION.

MR. R. M. GWYNN.

[Choose *one* subject only.]*(For Senior Freshmen.)*

(a) The strength and weakness of women as depicted by George Eliot.

(b) Was the England described by Macaulay better and happier than the nation of our own day?

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*(For Junior Freshman Supplementalists.)*

(a) Which of the humourists described by Thackeray rendered the most valuable services to mankind?

(b) The qualities in Richard which account for his success and failure.

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## FINAL FRESHMAN EXAMINATION.

## ALGEBRA AND ARITHMETIC.

MR. HENRY.

1. Divide  $a^2 - b + 8 + 6a^{\frac{2}{3}}b^{\frac{1}{3}}$  by  $a^{\frac{2}{3}} - b^{\frac{1}{3}} + 2$ .

2. Solve for  $x$  and  $y$  from the equations

$$x^2 + y^2 = 137,$$

$$x - y = 7.$$

3. Prove that  $x^n - 1$  is divisible without remainder by  $x - 1$ , where  $n$  is a positive whole number.

4. Find a fourth root of  $17 + 12\sqrt{2}$ .

5. If  $2a = 3b = 4c$ , obtain, correct to three decimal places, the value of

$$\frac{a^3 + b^3 + c^3}{(a + b + c)^3}.$$



6. A man drives a car a given distance. Had he driven 12 miles an hour slower, he would have taken an hour more, and had he driven 12 miles an hour faster, he would have taken half an hour less. Find the distance.

7. Prove that the product of the greatest common measure and the least common multiple of two whole numbers is equal to the product of the numbers.

8. If 30 men or 45 women can do a piece of work in 8 days, how many women working along with 20 men will be required to complete it in 6 days?

9. The difference between the simple and the compound interest on a sum of money for two years at 6 per cent. is £11 14s. What is the sum?

10. Some years ago a man received an income of £800 a year on which he paid 1s. in the £ income tax. To-day he pays 6s. in the £ on his whole income less £200 (which is untaxed). If the purchasing power of the sovereign is now 9s. 6d., and he is exactly as well off as before, calculate his present income.

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TRIGONOMETRY.

MR. WEBB.

1. Given  $C = 90^\circ$ ,  $a = 21$ ,  $B = 48^\circ$ ,  $\tan 42^\circ = \cdot 9$ , find the other two sides to one place of decimals.

2. Prove the formula for  $\cos(A + B)$ .

3. Prove the identities

$$(a) \frac{\cos A - \cos 3A}{\sin 3A - \sin A} = \tan 2A.$$

$$(b) \cos A + \cos(120^\circ - A) + \cos(120^\circ + A) = 0.$$

4. Given  $a = 56$ ,  $b = 49$ ,  $c = 21$ , find  $\sin \frac{1}{2}B$ , and also  $\cos C$ .

5. Given  $\tan 2\theta = \frac{3}{4}$ , find  $\tan \theta$ , and explain by a figure how it is that  $\tan \theta$  may have either of two values.

6. Prove the formula in a plane triangle

$$\tan \frac{1}{2}(A - B) = \frac{a - b}{a + b} \cot \frac{1}{2}C.$$

7. Explain how to find the height and distance of an inaccessible tower on the same horizontal plane as you are, being given a table of natural tangents only.

8. Given that the moon subtends an angle of  $31'$  at the observer's eye, and that she is 240,000 miles away, find her diameter in miles, taking a radian as  $206,265''$ .

9. If  $x = y^z$ , prove that  $\log_a x = z \log_a y$ .

10. Use the formula given in No. 6 to find  $A$  and  $B$  from the following data:—

$$a = 18, \quad b = 2, \quad C = 55^\circ, \quad \log 2 = \cdot 30103 \quad L \cot 27\frac{1}{2}^\circ = 10\cdot 28352,$$

$$L \tan 56^\circ 56' = 10\cdot 18638, \quad L \tan 56^\circ 57' = 10\cdot 18665.$$

## LOGIC.

MR. MACRAN.

1. Define Logic, and explain your definition.  
Distinguish between Deductive and Inductive Logic.
2. Explain and illustrate what is meant by saying that some names have a denotation but no connotation.
3. Restate the following propositions so as to bring out their logical value, and give their contradictories, contraries, and sub-contraries:—
  - (a) 'Honesty is compatible with ignorance.'
  - (b) 'Selfishness may exist without prudence.'
  - (c) 'Vice never brings happiness.'
  - (d) 'Lying is a sure sign of guilt.'
4. Prove from the general rules of the syllogism that no valid conclusion can be drawn from:—
  - (a) two particular premisses ;
  - (b) a particular major and a negative minor.
5. When, and why, do AA as premisses give (a) an A conclusion, (b) an I conclusion only, and (c) no conclusion?
6. State the following arguments in logical form, and if they are fallacious point out the fallacy:—
  - (a) 'None but Unionists voted for this Bill, and as no one could have voted who was not in the House at the time, all the members then in the House must have been Unionists.'
  - (b) 'It is dangerous to tell people that the laws are not just ; for they only obey laws because they think them just.'
  - (c) 'He must be a tariff reformer, for all tariff reformers hold these opinions.'

## MECHANICS.

MR. FRY.

1. Describe precisely how a force is represented in mechanics, and draw the resultant of two intersecting forces represented by the lines *AB*, *BC*.
2. Prove that the sum of the moments of two like parallel forces about any point is equal to the moment of their resultant.
3. What weight can be supported on a smooth inclined plane, 13 feet long and 5 feet high, by the conjoint action of a force of 5 lbs. wt. along the plane and a force of 10 lbs. wt. parallel to the base? Find also the reaction of the plane.
4. To the ends of a uniform beam 14 feet long weighing 70 lbs. are attached weights of 7 and 8 lbs. wt., and the beam is supported horizontally by props placed at 2 and 11 feet from the end at which the 7 lbs. wt. is hung. Find the pressures on the props, and also the smallest weight which will upset the beam when it is properly attached.

5. The sides  $AB$ ,  $BC$  of a rectangle  $ABCD$  are 4 and 3 inches respectively. Forces of 10, 40, 20, 30, and 50 lbs. wt. act along  $AB$ ,  $BC$ ,  $CD$ ,  $DA$ , and  $AC$  respectively. Find the magnitude of their resultant and its perpendicular distance from  $A$ .

6. A particle is projected vertically upwards with an initial velocity of 100 feet per second. At what times will it be at a height of 136 feet?

7. Prove the formula for the acceleration and the tension of the string, when a mass of  $Q$  lbs. on a rough horizontal table is tied by a string passing over a smooth pulley at the edge of the table to a mass of  $P$  lbs. hanging freely, taking  $\mu$  to be the coefficient of friction.

8. When a projectile is moving under the action of gravity, prove that the sum of its kinetic and potential energies remains constant. It is not to be assumed that the projectile is moving vertically.

9. Masses of 11 and 21 lbs. are tied to the ends of a string passing over a light wheel. Find the tension of the string when (a) 11 lbs. is held fixed and the 21 lbs. hangs freely, (b) when both masses are allowed to move freely. Find also the pressure on the supports of the wheel in the two cases.

10. A mass of 12 lbs. on a smooth horizontal table is tied by a string passing through a smooth hole in the table to a mass of 8 lbs. hanging freely. Find the radius of the circle in which the 12 lbs. can move with a uniform velocity of 8 feet per second.

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LATIN.

SIR R. W. TATE.

[All candidates must attempt *either* the Unprepared Passage *or* the Composition.]

[A.]

*Unprepared Passage.*

Felix, qui patriis aevum transegit in agris,  
 Ipsa domus puerum quem videt, ipsa senem;  
 Qui baculo nitens, in qua reptavit harena,  
 Unius numerat saecula longa casae.  
 Illum non vario traxit Fortuna tumultu,  
 Nec bibit ignotas mobilis hospes aquas:  
 Non freta mercator tremuit, non classica miles;  
 Non rauci lites pertulit ille fori.  
 Indocilis rerum, vicinae nescius urbis,  
 Aspectu fruitur liberiore poli.

*Composition.*

Titus, after entering the ruins of the city and admiring the impregnable strength of the towers, declared that he indeed was the leader of the army, but God was the author of the victory. He

commanded his soldiers, wearied with slaughter, to cease from carnage, except when any still chanced to resist; that the leaders concealed in the subterranean passages should be sought after; that the youths distinguished by their beauty and stature should be reserved for his triumph; that the more advanced in years be sent into Egypt to the mines. A vast number also were selected to perish in the theatres by the sword and wild beasts.

[B.]

## I. Translate:—

Tum vero Aeneas subitis exterritus umbris  
Corripit e somno corpus, sociosque fatigat :  
‘Praecipites vigilate, viri, et considite transtris ;  
Solvite vela citi. Deus aethere missus ab alto,  
Festinare fugam, tortosque incidere funes,  
Ecce iterum stimulat. Sequimur te, sanete deorum,  
Quisquis es, imperioque iterum paremus ovantes.  
Adsis o, placidusque iuves, et sidera coelo  
Dextra feras.’ Dixit; vaginaque eripit ensem  
Fulmineum, strictoque ferit retinacula ferro.  
Idem omnis simul ardor habet; rapiuntque ruuntque :  
Litora deseruere; latet sub classibus aequor ;  
Adnixi torquent spumas, et caerulea verrunt.

2. Parse *considite*, *tortos*, *paremus*, *stricto*, *adnixi*.3. Give the meaning of *portitor*, *offa*, *trames*, *viscum*, *feretrum*.

GREEK.

MR. CANNING.

## Translate:—

ἡ μὲν ἄρ' ὥς εἰποῦσ' ἀπέβη πόδας ὠκέα Ἴρις,  
αὐτὰρ ὃ γ' υἷας ἄμαξαν ἐϋτροχον ἡμιονεῖην  
ὀπλίσαις ἠνώγει, πείρινθα δὲ δῆσαι ἐπ' αὐτῆς.  
αὐτὸς δ' ἐς θάλαμον κατεβήσето κηῶεντα  
κέδρινον ὑψόροφον, ὃν γλήνεα πολλὰ κεχάνδει.  
ἐς δ' ἄλοχον Ἑκάβην ἐκαλέσσατο, φώνησέν τε·  
“Δαιμονίη, Διόθεν μοι Ὀλύμπιος ἄγγελος ἦλθεν  
λύσασθαι φίλον υἷδν, ἰόντ' ἐπὶ νῆας Ἀχαιῶν,  
δῶρα δ' Ἀχιλλῆϊ φερέμεν, τὰ κε θυμὸν ἰήνη.  
ἀλλ' ἄγε μοι τόδε εἰπὲ, τί τοι φρεσὶν εἶδεται εἶναι;  
Αἰνῶς γάρ μ' αὐτὴν γε μένος καὶ θυμὸς ἄνωγεν  
κεῖσ' ἰέναι ἐπὶ νῆας ἔσω στρατὸν εὐρὺν Ἀχαιῶν.”  
ὥς φάτο, κώκυσεν δὲ γυνὴ καὶ ἀμείβετο μύθῳ·  
“ὦ μοι, πῇ δὴ τοι φρένες οἴχονθ', ἧς τὸ πάρος περ  
ἔκλε' ἐπ' ἀνθρώπους ξείνους ἦδ' οἷσιν ἀνάσσεις;  
πῶς ἐθέλεις ἐπὶ νῆας Ἀχαιῶν ἐλθέμεν οἶος,  
ἀνδρὸς ἐς ὀφθαλμοὺς ὅς τοι πολέας τε καὶ ἐσθλοὺς  
υἱέας ἐσενάριξε· σιδήρειόν νύ τοι ἦτορ,

HOMER.

(a) Parse the underlined words.

(b) State what you know of the date and composition of the *Iliad*.



## FRENCH AND GERMAN.

PROFESSOR RUDMOSE-BROWN.

## 1. Translate into English :—

*Either—*

Mon bonhomme prit, lorsqu'il fut seul avec moi, un air tout différent de sa première façon d'être. Il se grandit et se mit à son aise : je vis un beau vieillard, moins voûté, plus digne, mais toujours pâle. Sur mes assurances qu'il ne risquait rien et pouvait parler, il osa s'asseoir et respirer.

'Monsieur, me dit-il en baissant les yeux pour se remettre et s'efforcer de reprendre la dignité de son rang, monsieur, je veux sur-le-champ vous mettre au fait de ma personne et de ma visite. Je suis monsieur de Chénier. J'ai deux fils qui, malheureusement, ont assez mal tourné : ils ont tous deux donné dans la Révolution. L'un est Représentant, j'en gémirai toute ma vie, c'est le plus mauvais : l'aîné est en prison, c'est le meilleur. Il est un peu dégrisé, monsieur, dans ce moment-ci, et je ne sais vraiment pas plus que lui pourquoi on me l'a coffré, ce pauvre garçon ; car il a fait des écrits bien révolutionnaires et qui ont dû plaire à tous ces buveurs de sang.

— Monsieur, lui dis-je, je vous demanderai la permission de vous rappeler qu'il y a un de ces buveurs qui m'attend à déjeuner.

*Or—*

Ich blieb auch wohl ganze Tage bei ihm und gewöhnte mich in Kurzem um so mehr an sein Schelten und Tadeln, als ich seine schönen und grossen Eigenschaften, seine ausgebreiteten Kenntnisse, seine tiefen Einsichten täglich mehr schätzen lernte. . . . Und da ich ihn für das anerkannte was er war, da ich dasjenige zu schätzen suchte was er schon geleistet hatte, so musste er eine grosse Superiorität über mich gewinnen. Aber behaglich war der Zustand nicht : denn ältere Personen, mit denen ich bisher umgegangen, hatten mich mit Schonung zu bilden gesucht, vielleicht auch durch Nachgiebigkeit verzo-gen ; von Herdern aber konnte man niemals eine Billigung erwarten, man mochte sich anstellen wie man wollte.

Da seine Gespräche, jederzeit bedeutend waren, er mochte fragen, antworten oder sich sonst auf eine Weise mittheilen, so musste er mich zu neuen Ansichten täglich, ja stündlich befördern. . . . Nun wurde ich auf einmal durch Herder mit allem neuen Streben und mit allen den Richtungen bekannt, welche dasselbe zu nehmen schien.

## 2. Translate into French or German :—

An old miser kept a tame crow that used to steal pieces of money and hide them in a hole. The cat, observing this, asked why he hoarded up those round shining things of which he could make no use. 'Why,' said the crow, 'my master has a whole chest full, and makes no more use of them than I.' The story does not tell whether, after this, the cat, too, began to collect gold pieces. It is probable that he did not. The cat is the most cynical of all animals. He is accustomed to get what he wants. He has no need of money.

DUTCH.

DR. GOLIGHER.

## 1. Translate into English :—

(a) „Hoe gaat het nu met je kindlief? Heb je nog wat kunnen slapen en wat minder gehoest? Neem nog eens in, 't is je tijd; 't smaaket wel niet lekker, maar als je 't trouw volhoudt, zal 't je beter maken, heeft de doktor gezegd.“ 't Is Mie de porster, die tot haar kleinkind Betje spreekt.

De oude vrouw ziet er nu geheel anders uit: het scherp geteekende gelaat heeft een zachte, liefderijke uitdrukking aangenomen en de oogen blikken met innige deelneming op de jeugdige zieke, die in de bedstede ligt. Menigeen zou Mie de porster niet herkennen; de grijze doek is op een stoel gehangen om te drogen, de schoenen zijn door pantoffels vervangen en de helder witte muts fleurt de geheele gestalte op, ofschoon ze scherp afsteekt bij de tanige gelaatskleur.—  
J. VAN MAURIK.

(b) Helpt, helpt! Al feller blaakt de gloed,  
Al banger kreten doen zich hooren!  
Er kan nog meerder gaan verloren  
Dan enkel huis en have en goed:  
Helpt, helpt! het vuur wint voet aan voet!  
De hulp snelt toe van allerwegen;  
't Gevaar ontgloeit den moed te meer;  
De nokken worden opgestegen,  
Het brandend dakhout ploft terneer;  
De ladders worden toegestoken,  
De waterputsen leeggeplast;  
Geen staldeur blijft onopgebrosen,  
Geen slagboom op de schaapskooi vast.

H. TOLLENS.

## 2. Translate into Dutch :—

(a) Johnny had been a bad boy. 'Johnny,' said his mother gravely, 'do you know what kind of boys go to Heaven?' 'Why, yes, ma,' said Johnny with a smile, as if a little scornful of her ignorance, 'dead boys.'

(b) At a country fair a conjurer was performing the old trick of producing eggs from a pocket-handkerchief, and said to a youngster looking on—

'Say, my boy, your mother can't get eggs without hens, can she?'

'Oh, yes, she can,' replied the boy.

'Wonderful woman!' exclaimed the conjurer with a wink for the rest of his audience. 'How does she do it, I should like to know?'

'She keeps ducks,' said the boy.

(c) 'How did your son pass his examination?'

'Pass! He didn't pass at all. You'll hardly believe me, but they asked that poor lad questions about things that happened before he was born.'

## ENGLISH COMPOSITION.

MR. R. M. GWYNN.

Write an Essay on *one* of the following subjects :—

1. Human Nature and Richard III.
2. The Humourist's life as reflected in his writings.

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JUNIOR SOPHISTERS.

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MATHEMATICAL PHYSICS.

MR. WEBB.

1. State and prove the principle known as the Polygon of Forces.  
(a) Forces act along the sides of a rigid quadrilateral slab, each being proportional to the side along which it acts. To what are they equivalent?
2. A ladder 17 feet long and weighing 120 lbs. is placed on a rough floor for which  $\mu = \frac{1}{5}$  and against a smooth wall, its upper end being 15 feet from the ground. Show that it will slip in this position, and find the least horizontal force which must be applied to its lower end to prevent slipping.
3. A stone is thrown vertically upwards from a height of 100 feet above the ground with a velocity of 60 feet per second. When will it reach the ground?
4. A body of 10 lbs. makes 10 revolutions per second round a circle of 10 ft. radius. Find what force directed to the centre is acting on it, taking  $\pi = 3.14$ .
5. At what depth in water would a bubble of air just be in equilibrium if the specific gravity of air is .00125 and the height of the water barometer at the surface is 33 feet?
6. Describe the common suction-pump, and explain the limits to its action.
7. A mass of 20 oz. weighs 13 oz. in liquid A, 11 oz. in liquid B, and 12.5 oz. in a mixture of A and B. In what proportions do A and B enter this mixture?
8. Prove the formula for the deviation of a ray of light which strikes a thin prism almost perpendicularly.

9. Describe the astronomical telescope. What is its magnifying power?

10. The refractive index of a double convex lens is 1.3, and the radii of its surfaces are 10" and 12". Find the focus conjugate to a point 20 feet from the lens.

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ASTRONOMY.

MR. H. THRIFT.

1. Draw a diagram of the celestial sphere for an observer about the latitude of Dublin. Mark on it the altitude, azimuth, declination, and right ascension of a star. Define these quantities.

2. Find the limits of latitude between which it is possible to have (a) a midnight Sun, (b) the Sun in the zenith.

3. Explain how you would find the ratio of the distances of Venus and the Earth from the Sun.

4. How has the Moon's synodic period been found? Given its synodic period, calculate its sidereal period.

5. Write down Kepler's three laws of planetary motion. Deduce the third law from the law of gravitation.

6. Explain how the Moon's distance is found.

7. Explain how longitude at sea may be found.

8. Prove that in general the length of the morning is different from the length of the afternoon, and find the difference.

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LATIN.

DR. GOLIGHER.

[A.]

[Candidates should attempt either the Unprescribed Passage or the Composition.]

*Unprescribed Passage.*

Primo conventu, quem ab regulis factum supra memoravi, propter dissensionem placuerat dividi thesauros finisque imperi singulis constitui. Itaque tempus ad utramque rem decernitur, sed maturius ad pecuniam distribuendam. Reguli interea in loca propinqua thesauris alius alio concessere. Sed Hiempsal in oppido Thirmida forte eius domo utebatur, qui proximus lictor Ingurthæ carus acceptusque ei semper fuerat. Quem ille casu ministrum oblatum promissis onerat inpellitque, uti tamquam sua visens domum eat, portarum clavis adulterinas paret (nam veræ ad Hiempsalem referebantur): ceterum, ubi res postularet, se ipsum cum magna manu venturum.—SALLUST.



*For Latin Prose.*

The harangues of Memmius had shown that the spirit of the Gracchi was still alive in Rome; and now L. Apuleius Saturninus took up their revolutionary projects with a violence to which they had been averse, but for which the acts of their adversaries had become a fatal precedent. Of Saturninus himself we do not know much more than that he was an eloquent speaker, and a resolute though not over-scrupulous man, at a time when to be scrupulous was equivalent to self-martyrdom or self-effacement.—BEESLY.

[B.]

Translate:—

Sed vatem egregium, cui non sit publica vena,  
 Qui nil expositum soleat deducere, nec qui  
 Communi feriat carmen triviale moneta,  
 Hunc, qualem nequeo monstrare et sentio tantum,  
 Anxietate carens animus facit, omnis acerbi  
 Impatiens, cupidus silvarum aptusque bibendis  
 Fontibus Aonidum. Neque enim cantare sub antro  
 Pierio thyrsusque potest contingere maesta  
 Paupertas atque aeris inops, quo nocte dieque  
 Corpus eget: satur est, cum dicit Horatius 'euhoe'!  
 Qui locus ingenio, nisi cum se carmine solo  
 Vexant et dominis Cirrhae Nysaeque feruntur  
 Pectora vestra, duas non admittentia curas?  
 Magnae mentis opus nec de Iodice paranda  
 Attonitae, currus et equos faciesque deorum  
 Aspicere et qualis Rutulum confundat Erinys.—JUVENAL.

1. Give the English of—cophinus, buccae, niceteria, conchyliia, cottana, abolla, exodium, frivola, foruli, lacerta.

2. Complete:—

(a) Nil habet infelix paupertas durius in se——.

(b) Haud facile emergunt, quorum virtutibus obstat——.

(c) Miseræ cognosce prooemia rixae,

Si rixa est,——

3. Reproduce Juvenal's view of the Greeks, as set forth in his third Satire.

GREEK.

MR. JOHNSTON.

Translate:—

καὶ μὴν εἴ τις ὑμῶν ταῦτα μὲν οὕτως ἔχειν ἡγείται, οἶεται δὲ βία  
 καθέξειν αὐτὸν τὰ πράγματα, τῷ τὰ χωρία καὶ λιμένας καὶ τὰ τοιαῦτα  
προειληφέναι, οὐκ ὀρθῶς οἶεται. ὅταν μὲν γὰρ ὑπ' εὐνοίας τὰ πράγματα  
συστῇ, καὶ πᾶσι ταῦτα συμφέρῃ τοῖς μετέχουσι τοῦ πολέμου, καὶ  
 συμπονεῖν καὶ φέρειν τὰς συμφορὰς καὶ μένειν ἐθέλουσιν ἄνθρωποι·  
 ὅταν δ' ἐκ πλεονεξίας καὶ πονηρίας τις ὥσπερ οὗτος ἰσχύσῃ, ἡ πρώτη

πρόφασις καὶ μικρὸν παῖσμα πάντ' ἀνεχαίτισεν καὶ διέλυσεν. οὐ γὰρ ἔστιν οὐκ ἔστιν ᾧ ἄνδρες Ἀθηναῖοι, ἀδικοῦντα κἀπιорκοῦντα καὶ ψευδόμενον δύναμιν βεβαίαν κτήσασθαι, ἀλλὰ τὰ τοιαῦτ' εἰς μὲν ἅπαξ καὶ βραχὺν χρόνον ἀντέχει, καὶ σφόδρα γ' ἡνθησ' ἐπὶ ταῖς ἐλπίσιν, ἂν τύχῃ, τῷ χρόνῳ δὲ φωρᾶται καὶ περὶ αὐτὰ καταρρεῖ. ὥσπερ γὰρ οἰκίας οἶμαι καὶ πλοίου καὶ τῶν ἄλλων τῶν τοιούτων τὰ κάτωθεν ἰσχυρότατ' εἶναι δεῖ, οὕτω καὶ τῶν πράξεων τὰς ἀρχὰς καὶ τὰς ὑποθέσεις ἀληθεῖς καὶ δικαίας. τοῦτο δ' οὐκ ἔνι νῦν ἐν τοῖς πεπραγμένοις Φιλίππῳ.—DEMOSTHENES.

1. Parse the words underlined. -
2. What was the date of the Third Olynthiac Oration?  
Give the substance of the argument.

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FRENCH AND GERMAN.

PROFESSOR RUDMOSE-BROWN.

1. Translate into English :—

*Either,*

Or, cette comédie reste fidèle à toutes les traditions que le théâtre classique allait renier et que le *Cid* lui-même devait discréditer. C'est une comédie d'intrigue qui ne captive les spectateurs que par l'imprévu des situations et l'art heureux qui les dénoue; c'est une histoire d'enlèvement et d'aventures où les hasards de la fortune sont les maîtres, non la volonté ou les passions des personnages. C'est même une comédie d'aventures merveilleuses et qui ne se pique pas d'être fidèle à la raison et à la nature, mais bien de nous promener dans les pays de l'in vraisemblable et jusqu'aux confins de l'absurde. Ce sont des enchantements, et des évocations de magicien comme il y en avait à foison dans l'*Astrée* et les romans à la mode et les pastorales. De la vérité des caractères Corneille se soucie aussi peu que de celle des destinées.

*Or,*

Er hatte eine Gruppe Häuser vor sich, auf die er zusteuerte. An einer Stelle nämlich, wo sich das Thal am meisten erweiterte und der Fahrweg ordentlich in eine breite Strasse auseinander ging, stand das Wirthshaus der Fichtau, zur grünen Fichtau geheissen, zwar nur aus Holz geizimmert, aber mit einer glänzenden Fensterreihe auf den Strassenplatz heraussehend, der so gross und eben war, dass hundert Wagen hätten darauf stehen können.—Mit Scheunen und Schuppen und einem grossen Garten ging das Haus in den geräumigen Winkel eines Seitenthales zurück, aus dem ein starker Bach hervorsprudelte. Jenseits des Baches steht eine Sägemühle, dann ist noch eine Schmiede, und weiter zurück hinter dem Wirtsgarten sind vier oder fünf Häuser mit blanken Fenstern und dem schönen, flachen Gebirgsdache.

2. Translate into French or German :—

The next morning I began to think of departing; I had sewed up the money which I had received for the horse in a portion of my clothing,

where I entertained no fears for its safety, with the exception of a small sum in notes, gold, and silver, which I carried in my pocket. Ere departing, however, I determined to stroll about and examine the town, and observe more particularly the humours of the fair than I had hitherto an opportunity of doing. The town, when I examined it, offered no object worthy of attention but its church—an edifice of some antiquity; under the guidance of an old man, who officiated as sexton, I inspected its interior attentively, occasionally conversing with my guide, who, however, seemed much more disposed to talk about horses than the church.

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LOGIC.

MR. LUCE.

1. State Mill's definition of induction, and show that it excludes certain improper uses of the term.
2. Analyse the concept of Causation. Is the human will an efficient cause?
3. Compare observation and experiment in respect of their scope and results.
4. Explain, with an example, Mill's method of concomitant variation.
5. Upon what considerations does the value of an argument from Analogy depend?
6. Explain Bacon's use of the term 'idols.'
7. What method of scientific investigation did Bacon propound?

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EXPERIMENTAL PHYSICS.

MR. W. E. THRIFT.

1. Write an account of the distinguishing characteristics of solids, liquids, and gases.
2. Describe how to use a weight-thermometer for the measurement of temperature.
3. Define electric *pressure* and *resistance*, and explain Ohm's law.
4. State the laws of electrolysis, and describe the method by which you would verify them.
5. Describe the electric bell, and explain why iron cores are used for electro-magnets.

## EUROPEAN HISTORY.

MR. CURTIS.

[Select *four* out of the *six* questions.]

1. Explain the decay *either* of Venice in the sixteenth *or* of Portugal in the seventeenth century.
  2. What were the political and religious principles of the French Protestants (Huguenots)? What terms did they get in 1598?
  3. What connexion had the Religious Peace of Augsburg (1555) with the Thirty Years' War?
  4. Write on *either* Peter the Great *or* Frederick II of Prussia as a type of 'benevolent despot.'
  5. What definite results of the French Revolution were retained by Napoleon I?
  6. Trace the general history of the Austro-Hungarian Empire, 1806-1867.
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## FOR ENGLISH COMPOSITION.

MR. R. M. GWYNN.

[N.B.—Choose *one* subject only.]

1. Memorable sayings of Bacon.
2. Bacon as a moral adviser.
3. A vindication of Walpole's honour.
4. The leading principles of Walpole's statesmanship.



# SENIOR SOPHISTERS AND SUPPLEMENTAL DEGREE EXAMINATION.

## MATHEMATICAL PHYSICS.

MR. WEBB.

1. Give a *full* account of the circumstances which determine the amount of friction brought into play when two rough bodies are in contact, whether they are about to slip or not.
2. A weight of 285 lbs. is raised 6 feet by means of an arrangement of three movable and one fixed pulleys, each weighing 5 lbs.  
Find how much work is done.
3. A particle is projected up a rough plane ( $\mu = \frac{1}{4}$ ) and reaches its highest point in  $3\frac{1}{4}$  seconds. How far did it go, and how long will it take to return to the starting-point? The sine of the inclination of the plane is  $\frac{5}{13}$ .
4. A body is thrown from the ground with a vertical velocity of 80 and a horizontal velocity of 60 feet per second. Where will it be after 3 seconds?
5. Prove that in a heavy liquid at rest under gravity the pressures at two points at the same level are equal. It must not be assumed that the free surface is horizontal.
6. A conical vessel, broad end downwards, is filled with water. Explain how it is that the fluid pressure on the base may be greater than the total weight of the water and the vessel.
7. A 6 feet cube of wood (s.g. = .6) is immersed 5 feet in water by a mass of metal (s.g. = 8) being hung to its under surface. Find the mass of the metal.
8. Describe Hadley's sextant, proving the geometrical theorem involved.
9. Draw sketches of the image of an object in a convex lens according to the different positions of the object, stating when the image is erect and when magnified.
10. Explain, with a numerical illustration, the treatment of short sight by means of concave spectacles.

## ASTRONOMY.

MR. H. THRIFT.

1. When the first point of Aries is rising on the eastern horizon, what angle does the ecliptic make with the horizon at that point for an observer in latitude  $53^{\circ} 20'$ ?
- What angle does it make when the first point of Aries is setting?

2. Discuss the relative advantages of reflecting and refracting telescopes.

What is the advantage of a large telescope?

3. Show how to determine the duration of twilight at any given place on a given day.

4. Describe a typical lunar crater. What is the probable explanation of its formation, and what are the difficulties in the way of accepting this explanation?

5. How has the Moon's synodic period been determined? Given its synodic period, calculate its sidereal period.

6. In describing the constitution of the Sun, Young divides it into a number of layers. Mention these layers, and say what you know of each of them.

7. Find the angular diameter as seen from the centre of the Earth of the Earth's shadow where the Moon crosses it.

8. State what you know of Comets' tails.

9. What is the equation of time? To what two causes is it due? State the periods of the year during which each of these components is positive or negative.

10. Classify the variable stars. Mention some of them, stating to which class they belong. State what you know of the explanation of variable stars.

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LATIN.

MR. KENNEDY.

[A.]

[*All Candidates should attempt either the Unprescribed Passage or the Latin Composition.*]

*Unprescribed Passage.*

Translate :—

Hi praefixa solo vellunt munimina; at illi  
Portarum obiectus minuunt, et ferrea sudant  
Claustra remoliri, trabibusque arcata sonoro  
Pellunt saxa loco: pars ad fastigia missas  
Exsultant haesisse faces; pars ima lacessunt,  
Scrutanturque cava caeca testudine turres.  
At Tyrii, quae sola salus, caput omne coronant  
Murorum, nigrasque sudes et lucida ferro  
Spicula et arsuras caeli per inania glandes,  
Saxaque in adversos ipsis avulsa rotabant  
Moenibus: exundant saevo fastigia nimbo,  
Armataeque vomunt stridentia tela fenestrae.  
Sic procul infestis Argivum exercitus armis  
Obruitur: non ora virum non pectora flectit  
Imber atrox, rectosque tenent in moenia vultus  
Immemores leti et tantum sua tela videntes.

*(For Latin Composition.)*

According to the historian Livy, Appius declared to the assembled Senate that he wished he was deaf so that he might not hear the disgraceful counsels which were that day dishonouring the Roman name. He greatly regretted, he said, their change of temper; it was very different from the temper of former days. Whither had their pride and courage fled? Had they not once boasted that they would have opposed Alexander himself if in the period of their youth he had dared to invade Italy? Let them not now deliver up to Lucanians and wretched Greeks what their fathers had won by the sword.

[B.]

*(For Senior Sophisters.)*

Translate:—

Iamque pedem referens casus evaserat omnes  
 Redditaque Eurydice superas veniebat ad auras  
 Pone sequens,—namque hanc dederat Proserpina legem—  
 Cum subita incautum dementia cepit amantem,  
 Ignoscenda quidem, scirent si ignoscere Manes:  
 Restitit, Eurydicenque suam iam luce sub ipsa  
 Inmemor heu victusque animi respexit. Ibi omnis  
 Effusus labor, atque inmitis rupta tyranni  
 Foedera, terque fragor stagnis auditus Avernis.  
 Illa 'quis et me,' inquit, 'miseram et te perdidit, Orpheu,  
 Quis tantus furor? En iterum crudelia retro  
 Fata vocant conditque natantia lumina somnus.  
 Iamque vale: feror ingenti circumdata nocte  
 Invalidasque tibi tendens, heu non tua, palmas!'  
 Dixit et ex oculis subito, ceu fumus in auras  
 Commixtus tenues, fugit diversa, neque illum  
 Prensantem nequiquam umbras et multa volentem  
 Dicere praeterea vidit, nec portitor Orci  
 Amplius obiectam passus transire paludem.

VIRGIL.

1. What and where were Caicus, Eridanus, Hebrus, Hypanis, Lycus, Phasis?
2. What references to historical events are found in Book 1 of the 'Georgics'?

*(For Degree Supplementalists.)*

Translate:—

Aetatis cuiusque notandi sunt tibi mores,  
 Mobilibusque decor naturis dandus et annis.  
 Reddere qui voces iam scit puer et pede certo  
 Signat humum, gestit paribus colludere et iram  
 Colligit ac ponit temere et mutatur in horas.  
 Imberbis iuvenis tandem custode remoto  
 Gaudet equis canibusque et aprici gramine campi  
 Cereus in vitium flecti, monitoribus asper,

Utilium tardus provisor, prodigus aeris,  
 Sublimis cupidusque et amata relinquere pernix.  
 Conversis studiis aetas animusque virilis  
 Quaerit opes et amicitias, inservit honori,  
 Commisisse cavet quod mox mutare laboret.  
 Multa senem circumveniunt incommoda, vel quod  
 Quaerit et inventis miser abstinet ac timet uti,  
 Vel quod res omnes timide gelideque ministrat,  
 Dilator, spe longus, iners, avidusque futuri,  
 Difficilis, querulus, laudator temporis acti  
 Se puero, castigator censorque minorum

HORACE.

1. Who were Antonius Musa, Orbilius, Menander, Ennius, Pythagoras, Aristippus, Lysippus?
2. What description does Horace give of himself?

GREEK.

DR. GOLIGHEB.

(For Senior Sophisters.)

Translate:—

καὶ ψήφισμα Διοπείθης ἔγραψεν εἰσαγγέλλεσθαι τοὺς τὰ θεῖα μὴ νομίζοντας ἢ λόγους περὶ τῶν μεταρσίων διδάσκοντας, ἀπερειδόμενος εἰς Περικλέα δι' Ἀναξαγόρου τὴν ὑπόνοιαν. δεχομένου δὲ τοῦ δήμου καὶ προσιεμένου τὰς διαβολὰς οὕτως ἤδη ψήφισμα κυροῦται, Δρακοντίδου γράψαντος, ὅπως οἱ λόγοι τῶν χρημάτων ὑπὸ Περικλέους εἰς τοὺς πρυτάνεις ἀποτεθεῖεν, οἱ δὲ δικασταὶ τὴν ψῆφον ἀπὸ τοῦ βωμοῦ φέροντες ἐν τῇ πόλει κρίνοιν. Ἄγνων δὲ τοῦτο μὲν ἀφείλε τοῦ ψηφίσματος, κρίνεσθαι δὲ τὴν δίκην ἔγραψεν ἐν δικασταῖς χιλίοις καὶ πεντακοσίοις, εἴτε κλοπῆς καὶ δώρων εἴτ' ἀδικίου βούλοισι τίς ὀνομάζειν τὴν δίωξιν. Ἀσπασίαν μὲν οὖν ἐξητήσατο πολλὰ πάνυ παρὰ τὴν δίκην, ὥς Αἰσχίνης φησὶν, ἀφείλε ὑπὲρ αὐτῆς δάκρυα καὶ δεηθεὶς τῶν δικαστῶν Ἀναξαγόραν δὲ φοβηθεὶς ἐξέκλεψε καὶ προὔπεμψεν ἐκ τῆς πόλεως.—PLUTARCH.

1. Parse—προσιεμένου, ἀποτεθεῖεν, ἀφείλε, ἐξητήσατο, ἀφείλες.
2. (a) Write a note on—τὴν ψῆφον ἀπὸ τοῦ βωμοῦ φέροντες.
- (b) Explain the case of κλοπῆς.
3. What do you know of each of the persons mentioned in the passage set for translation?

(For Degree Candidates.)

Translate:—

οὐκοῦν μετὰ τοῦτο, ἦν δ' ἐγώ, τὸ περὶ ῥῥῆς τρόπου καὶ μελῶν λοιπόν; δῆλα δῆ. ἄρ' οὖν οὐ πᾶς ἤδη ἂν εὖροι, ἃ ἡμῖν λεκτέον περὶ αὐτῶν, οἷα δεῖ εἶναι, εἴπερ μέλλομεν τοῖς προειρημένοις συμφωνήσειν; καὶ ὁ Γλαῦκων ἐπιγελάσας, ἐγὼ τοίνυν, ἔφη, ὦ Σώκρατες, κινδυνεύω ἐκτὸς τῶν πάντων εἶναι· οὐκοῦν ἱκανῶς γε ἔχω ἐν τῷ παρόντι ξυμβαλέσθαι, ποῖ' ἅττα δεῖ ἡμᾶς λέγειν, ὑποπτεύω μέντοι. πάντως δῆπου, ἦν δ' ἐγώ, πρῶτον μέν



τόδε ἱκανῶς ἔχεις λέγειν, ὅτι τὸ μέλος ἐκ τριῶν ἐστὶ συγκείμενον, λόγου τε καὶ ἁρμονίας καὶ ῥυθμοῦ. ναί, ἔφη, τοῦτό γε. οὐκοῦν ὅσον γε αὐτοῦ λόγος ἐστίν, οὐδὲν δὴπου διαφέρει τοῦ μὴ ἄδομένου λόγου πρὸς τὸ ἐν τοῖς αὐτοῖς δεῖν τύποις λέγεσθαι οἷς ἄρτο προείπομεν καὶ ὡσαύτως; ἀληθῆ, ἔφη. καὶ μὴν τὴν γε ἁρμονίαν καὶ ῥυθμὸν ἀκολουθεῖν δεῖ τῷ λόγῳ. πῶς δ' οὐ; ἀλλὰ μέντοι θρήνων νε καὶ ὀδυρμῶν ἔφαμεν ἐν λόγοις οὐδὲν προσδεῖσθαι. οὐ γὰρ οὐν. τίνες οὐν θρηνώδεις ἁρμονίαι; λέγε μοι· σὺ γὰρ μουσικός. μιξολυδιστί, ἔφη, καὶ συντονολυδιστὶ καὶ τοιαῦταί τινες. οὐκαὺν αὐται, ἦν δ' ἐγώ, ἀφαιρετέαι· ἄχρηστοι γὰρ καὶ γυναιξὶν ἅς δεῖ ἐπιεικὲς εἶναι, μὴ ὅτι ἀνδράσιν. πάνυ γε. ἀλλὰ μὴν μέθη γε φύλαξιν ἀπρεπέστατον καὶ μαλακία καὶ ἀργία. πῶς γὰρ οὐ; τίνες οὐν μαλακαί τε καὶ συμποτικαὶ τῶν ἁρμονιῶν; ἰαστί, ἦ δ' ὅς, καὶ λυδιστί, αἵτινες χαλαραὶ καλοῦνται. ταύταις οὐν, ὦ φίλε, ἐπὶ πολεμικῶν ἀνδρῶν ἔσθ' ὅ τι χρήσει; οὐδαμῶς, ἔφη· ἀλλὰ κινδυνεύει σοι ὄρωσις λείπεσθαι καὶ φρυσιστί.—PLATO.

1. Set forth and explain Plato's attitude towards—(a) laments for the dead; (b) the Achilles of Homer; (c) athletics; (d) physicians?

2. (a) How does Plato settle the proper lives and dwellings of his guardians?

(b) τοῖς οὐν ἄρχουσι καὶ πρῶτον καὶ μάλιστα παραγγέλλει ὁ θεός—what?

(c) What does Plato describe as κάλλιστον θέαμα τῷ δυναμένῳ θεᾶσθαι?

#### FRENCH AND GERMAN.

#### PROFESSOR RUDMOSE-BROWN.

1. Translate into French or German :—

Theocritus was probably born in an early decade of the third century, and was a native of Syracuse, 'the greatest of Greek cities, the fairest of all cities.' So Cicero calls it, describing the four quarters that were encircled by its walls—each quarter as large as a town—the fountain Arethusa, the stately temples with their doors of ivory and gold. On the fortunate dwellers in Syracuse, Cicero says, the sun shone every day, and there was never a morning so tempestuous but the sunlight conquered at last, and broke through the clouds. That perennial sunlight still floods the poems of Theocritus with its joyous glow . . . He had only to pass the gate, and wander through the fens of Lysimeleia, by the brackish mere, or ride into the hills, to find himself in the golden world of pastoral . . . Wherever he turned his feet, he could find such scenes as he has painted in the idylls.

2. Translate into English :—

*Either—*

Après de l'ancienne ville de Lyon, du côté du soleil couchant, il y a un pays nommé Forez, qui en sa petitesse contient ce qui est de plus rare au reste des Gaules. Car, étant divisé en plaines et en montagnes, les unes et les autres sont si fertiles, et situées en un air si tempéré, que la terre y est capable de tout ce que peut désirer le laboureur. Au

cœur du pays est le plus beau de la plaine, ceinte comme d'une forte muraille des monts assez voisins, et arrosée du fleuve de la Loire, qui, prenant sa source assez près de là, passe presque par le milieu, non point encore trop enflé ni orgueilleux, mais doux et plaisible. Plusieurs autres ruisseaux, en divers lieux, la vont baignant de leurs claires ondes : mais l'un des plus beaux est Lignon, qui, vagabond en son cours, aussi bien que douteux en sa source, va serpentant par cette plaine depuis les montagnes de Cervières et de Chalmasel, jusqu'à Feurs, où Loire, le recevant, et lui faisant perdre son nom propre, l'emporte pour tribut à l'Océan... Les rivages de Lignon ont des ombres fraîches et si plaisantes qu'il est impossible de s'y ennuyer. On y voit l'onde claire et nette, si peuplée de toute sorte de poissons qu'à peine se peuvent-ils couvrir de l'eau. Vous y entendez mille sortes d'oiseaux, qui, des proches bocages, font retentir leur voix avec mille échos. Il y a des fontaines si fraîches et si claires qu'elles convient les moins altérés d'en boire.

*Or—*

Unter dem Himmel Italiens, im Palast der französischen Bourbonen, schloss am 13. Februar 1883 der deutsche Künstler Richard Wagner seine Augen. Ein ewiger Schleier sank nieder zwischen ihnen und dieser Welt, der sie so tief und schonungslos, und doch auch so liebevoll und trostkräftig in das Herz geblickt hatten. Das ist das Wunderbare, das Unfassliche, ja, das Fürchterliche, was dem Menschengemüte bei dem Tode eines solchen Grossen des Geistes sich aufdrängt: ein Weltbild ist mit einem Schlage dahin,—eine beftige Blutwelle des Herzens hat es im Nu ausgelöscht—ein Weltbild, einzig in seiner Art, nur in diesem Einen mächtigen Gehirne, durch dieses eine gewaltige Leben gerade so zur genialen Bestimmtheit ausgebildet und ausgestaltet—es ist zertrümmert wie ein Spiegel, der eben noch die ganze Fülle der Wirklichkeit in seinem klaren Scheine barg, und nun ist nichts mehr übrig als arme Scherben und Splitter, in denen das grosse Bild sich tausendfältig, kleinlich bricht: das sind die schwachen, unfertigen, kleinen Weltanschanungen, welche die Menge der hinterbliebenen Menschheit nach dem Hingange eines grossen genialen Geistes gewohnheitsmässig mit sich weiterträgt! Ihr wahrhaftiges, meisterliches, allumfassendes Bild hat die Welt mit jedem solchen Tode verloren, es ist aus ihr verschwunden auf Nimmerwiedersehen! Sie wird nie mehr also gesehen werden, diese Welt! Die erhabenen Einzelbilder eines Tristan, Wotan und Persifal—die sieht sie noch: aber sie wird nicht mehr gesehen von den Sonnenaugen des Genius. Die schwere, schwarze Wimper des Grabes verschliesst ihr einen Stern des Lebens, darinnen sie ihr Wesen und Schicksal lesen konnte.

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PSYCHOLOGY.

MR. ROGERS.

[A.]

[Try FIVE questions, of which at least two must be from each group.]

1. How do we first learn to distinguish the not-self from the self?

2. What classifications of psychological elements does Höffding mention, and which does he accept?
3. Give his criticisms of materialism.
4. Give his criticisms of Hume's theory of the Ego.
5. Explain briefly his theory of perception.
6. What are his three forms of Association of Ideas? Give an example of each.

[B.]

7. Is there any distinction between bodily and mental pain, and, if so, what?
8. What is ethical feeling, and how is it connected with sympathetic feeling?
9. How do we become conscious that we have willed?
10. Distinguish between Determinism and Indeterminism.

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THEICS.

MR. MACRAN.

[A.]

*For all Candidates.*

1. (a) Discuss the question whether moral obligation remains in cases where the moral judgment is erroneous.  
(b) Discuss the relation between good and knowledge.
2. (a) How does Aristotle determine the positive nature of the ideal life?  
(b) Indicate the chief points of agreement and the chief points of contrast between the Stoic and the Epicurean philosophy.
3. (a) How does Socrates in the *Republic* determine the proper limits of size for a state?  
(b) Why does he reject the identification of passion or spirit with reason?  
(c) He finds justice in a rudimentary form at the very foundation of society?
4. (a) State Aristotle's definition of virtue.  
(b) In what sense is virtue a mean, and in what sense an extreme?  
(c) He shows that not every action or emotion admits of a mean state? How is this to be explained?  
(d) 'As it is difficult to hit the mean exactly, we must take the second best course.' What is this course?

[B.]

*For Senior Sophisters.*

5. (a) How does Socrates in the *Republic* meet the objection that in his state the happiness of the guardians is ignored?

(b) He speaks of courage as 'a kind of salvation.' Explain.

(c) After the argument given in Book IV the question of the comparative advantage of justice as against injustice 'has become ridiculous.' Why?

6. Aristotle leads to his classification of the virtues by an analysis of soul?

How does he prove—

(a) that virtue is not an emotion;

(b) that virtue is not a faculty;

(c) that children are incapable of happiness?

[C.]

*For Supplemental Degree Candidates.*

7. (a) Explain the theory of 'moral sense,' and point out its essential defect.

It contains an element of truth that serves as a corrective to another theory?

(b) How does Butler determine the relation between self-love and the affections?

(c) By what arguments does Butler show that virtue and benevolence cannot be immediately identified?

He indicates the possibility of their identification in a higher view?

8. (a) Distinguish the various grades of freedom. What is the highest form of freedom?

(b) How far does Kant's categorical imperative afford an adequate practical guide in conduct?

(c) How does Herbert Spencer derive his conception of good conduct from his conception of life?

His theory may be charged with putting the cart before the horse?

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POLITICAL AND ECONOMIC SCIENCE.

MR. BASTABLE.

[A.]

*For Senior Sophisters only.*

1. 'The connexion between profits and prices is not only fundamental in practice, but is also fundamental in theory.'

Explain and illustrate this statement.



2. What are the functions of credit in modern societies? Show how the different forms of credit facilitate the process of exchange.
3. In what different ways may a federal union be organized? Estimate the comparative advantages of each kind of federalism.

[B.]

*For all Candidates.*

4. Discuss the possibility of a balanced constitution, with special reference to the case of England.
5. State clearly the grounds on which the establishment of a second chamber is based. How may the House of Lords be improved in accordance with the principles propounded by Mill?
6. Explain carefully the conception of 'normal' value. What is the relation of normal value to (a) average value, (b) market value?

[C.]

*For Degree Candidates only.*

7. 'The merit of Cabinet Government is that it defines and concentrates ministerial responsibility.'  
Illustrate this statement by reference to (a) the pre-war cabinet, (b) the war cabinet.
8. Notice some of the points of resemblance and difference between the British and the American legislative systems.
9. Explain the following:—circulating capital; law of diminishing return; quasi-rent; real wages.

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#### EDUCATION.

MR. HENRY.

[Four questions to be answered. One to six are for Senior Sophisters, and four to eleven for Degree Candidates.]

1. Explain the controversy between 'humanists' and 'realists' in education, and discuss the contributions to this controversy made by Bacon, Milton, and Montaigne respectively.
2. Indicate briefly the connexion between the political and educational theories of Rousseau.
3. How would you explain and illustrate to a class of adolescents (a) the principle of 'excluded middle,' (b) the method of 'concomitant variations'?
4. Discuss, following Adams, the educational implications of the doctrine of the relativity of knowledge.

5. 'More than other theories that of Herbart tends to magnify the office of schoolmaster.' Explain fully and criticize.
6. Compare the development of systems of state education in England and Prussia during the eighteenth or the nineteenth century.
7. Estimate the value of the didactic material used by Froebel and Montessori respectively.
8. What suggestions for educational practice are due to the following :
  - (a) biological theories of Darwin and Weismann ;
  - (b) physiological study of the brain and nervous system ;
  - (c) experimental psychology ?
9. 'In the case of idiots, like animals, to produce any result whatever the teacher must use the very best methods and these alone.' Elucidate and discuss.
10. How does Spencer demonstrate the *formal* value of science teaching ?
11. What, according to Newman, are the chief benefits derived from the study of (a) the Latin language, (b) Latin literature ?

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## SPECIAL DEGREE EXAMINATION.

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### MATHEMATICAL PHYSICS.

MR. FRY.

1. Prove that two couples acting in the same plane on a rigid body balance each other, when their moments are equal and opposite.
2. Find the centre of gravity of a letter T formed by 5 pieces of uniform straight wire of lengths 8, 4, 2, 1, 1 ins.
3. A spring-balance is carried in a balloon which is ascending vertically. Find the acceleration of the balloon when a half-pound weight hung upon the spring-balance is found to indicate 9 ounces.
4. Prove the formula for the acceleration and the tension of the string, during the motion which takes place, when a mass of  $Q$  lbs. on a smooth inclined plane is tied by a string passing over a smooth pulley at the top of the plane to a mass of  $P$  lbs. hanging freely, taking the inclination of the plane to be  $\theta$ .
5. A lump of metal, of specific gravity 10, has a hollow space inside it; find the size of the hollow space, given that the metal weighs 4000 lbs. in air, and 3475 in water.

6. State Boyle's law and Gay-Lussac's law for gases, and use them to prove the following general relation between the volume temperature and pressure of the same mass of gas in two different states :—

$$\frac{vp}{273 + t} = \frac{v'p'}{273 + t'}.$$

7. A cylindrical diving-bell 8 feet high is lowered until its top is 5 feet below the surface of the water; find how far the water rises inside the bell, assuming the reading of a water barometer at the surface to be 33 feet.

8. Draw the images of the figure 4, formed by two perpendicular mirrors.

9. What would be the focal lengths of, and the kind of glasses, which a short-sighted person who could see print best at a distance of 4 in., and a long-sighted person who could see it best at a distance of 24 in., would require respectively in order that they might see the print best when held at a distance of 12 in.?

10. Define the *centre* of a lens, and prove that if a ray passes through the centre, its path before it entered the lens is parallel to its path after it has come out.

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#### ASTRONOMY.

MR. WEBB.

[Choose FIVE questions from Section A, and THREE from Section B.]

#### A.

1. Draw a picture of the celestial sphere of an observer at a place  $45^{\circ}$  N. at 3 a.m. on a day on which the Sun's R.A. is  $45^{\circ}$ , marking the Zenith, Pole, Horizon, Equator, and Ecliptic. In what sort of units is the 'distance' between two points on this sphere measured, and what does it really represent?

2. Explain fully why the apparent motion of Jupiter among the stars is sometimes from East to West, although generally the reverse.

3. What are the Moon's librations in latitude and longitude, and how caused?

4. Find in terms of the parallaxes and semi-diameters of Sun and Moon the maximum distance of their centres for the occurrence of (a) a total or annular, and (b) a partial eclipse of the Sun.

5. Find the sidereal time at a place  $60^{\circ}$  W. of Greenwich when the local mean time is 10 p.m. You are given that the R.A. of mean Sun at the preceding Greenwich mean noon was  $20^{\circ}$ , and that the change in R.A. that day was at the rate of  $2\frac{1}{3}$  minutes of arc per mean hour.

6. From two different causes the fixed stars appear to describe very small ellipses about their mean positions. Explain, stating the direction of the axes of the ellipses.

## B.

7. Give a *full* account of the way in which the exact moment of the meridian transit of a star is determined in a modern observatory.

8. Explain how the spectroscope enables us (and not only at an eclipse) to obtain *direct* evidence that the lower part of the chromosphere is the cause of the dark lines in the spectrum of the photosphere of the Sun.

9. Write notes on the following points of comet-theory: (*a*) kinds of orbits; (*b*) comet families and capture theory; (*c*) constitution; (*d*) dimensions; (*e*) density; (*f*) cause of repulsion of tail from Sun.

10. Explain the two methods whereby it may be determined in what direction the solar system as a whole is moving. Whither and how fast is it moving at present?

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MR. MOONEY.

[A.]

Translate:—

Sedulitas autem stulte quem diligit urguet,  
 Praecipue cum se numeris commendat et arte;  
 Discit enim citius meminitque libentius illud  
 Quod quis deridet quam quod probat et veneratur.  
 Nil moror officium quod me gravat ac neque ficto  
 In peius voltu proponi cereus usquam  
 Nec prave factis decorari versibus opto,  
 Ne rubeam pingui donatus munere et una  
 Cum scriptore meo capsula porrectus operta  
 Deferar in vicum vendentem tus et odores  
 Et piper et quicquid chartis amicitur ineptis.

HORACE.

1. Scan the last line. Give the principal parts of the verbs from which *amicitur*, *operta*, and *porrectus* come.

2. Explain—

(*a*) utque sacerdotis fugitivus liba recuso.

(*b*) quem duplici panno patientia velat.

3. What does Horace mean by saying *ut pictura poesis*?

4. scribendi recte . . . est et principium et fons.

Supply the word omitted.

[B.]

[All Candidates must attempt either the Unprescribed Passage or the Latin Composition.]

*Unprescribed Passage.*

Altera iam teritur bellis civilibus aetas,  
 Suis et ipsa Roma viribus ruit:



Quam neque finitimi valuerunt perdere Marsi  
 Minacis aut Etrusca Porsenae manus,  
 Aemula nec virtus Capuae nec Spartacus acer  
 Novisque rebus infidelis Allobrox,  
 Nec fera caerulea domuit Germania pube  
 Parentibusque abominatus Hannibal,  
 Impia perdemus devoti sanguinis aetas,  
 Ferisque rursus occupabitur solum.  
 Barbarus heu cineres insistet victor et Urbem  
 Eques sonante verberabit ungula,  
 Quaeque carent ventis et solibus ossa Quirini,  
 Nefas videre! dissipabit insolens.

*For Latin Prose.*

At this sight the victorious army hesitated, while the generals doubted what orders they should give. To attempt an assault with troops exhausted by the toil of a day and a night would be difficult, and with no proper reserves might be dangerous. Should they return to Bedriacum, the fatigue of so long a march would be insupportable, and their victory would result in nothing. To entrench a camp with the enemy so close at hand would be perilous, as by a sudden sortie they might cause confusion among them while dispersed and busied with the work. Above all, they were afraid of their own soldiers, who were more patient of danger than delay.

GREEK.

DR. SMYLY.

Translate:—

τί δὲ δὴ σίτων περί; ἀθληταὶ μὲν γὰρ οἱ ἄνδρες τοῦ μεγίστου ἀγῶνος. ἢ οὐχί; Ναί. ἀρ' οὖν ἡ τῶνδε τῶν ἀσκητῶν ἕξι προσήκουσ' ἂν εἴη τούτοις; Ἴσως. ἀλλ', ἦν δ' ἐγώ, ὑπνώδης αὕτη γέ τις καὶ σφαλερὰ πρὸς ὑγίειαν. ἢ οὐχ ὁρᾷς ὅτι καθεύδουσί τε τὸν βίον καί, ἐὰν σμικρὰ ἐκβῶσι τῆς τεταγμένης διαίτης, μεγάλα καὶ σφόδρα νοσοῦσιν οὗτοι οἱ ἀσκηταί; ὁρῶ. κομψοτέρας δὴ τινος, ἦν δ' ἐγώ, ἀσκήσεως δεῖ τοῖς πολεμικοῖς ἀθληταῖς, οὓς γε ὥσπερ κύνας ἀγρύπνους τε ἀνάγκη εἶναι καὶ ὅ τι μάλιστα ὁρᾷν καὶ ἀκούειν καὶ πολλὰς μεταβολὰς ἐν ταῖς στρατείαις μεταβάλλοντος ὑδάτων τε καὶ τῶν ἄλλων σίτων καὶ εἰλήσεων καὶ χειμῶνων μὴ ἀκροσφαλεῖς εἶναι πρὸς ὑγίειαν. φαίνεται μοι. ἀρ' οὖν ἡ βελτίστη γυμναστικὴ ἀδελφὴ τις ἂν εἴη τῆς μουσικῆς, ἦν ὀλίγον πρότερον διῆμεν; πῶς λέγεις; ἀπλῆ που καὶ ἐπιεικὴς γυμναστικὴ, καὶ μάλιστα ἡ τῶν περὶ τὸν πόλεμον. πῇ δὴ; καὶ παρ' Ὀμήρου, ἦν δ' ἐγώ, τά γε τοιαῦτα μάθοι ἂν τις.—PLATO.

Explain the reference to Homer.

1. Parse ἐκβωσι, τεταγμένης, εἰλήσεων, διῆμεν.
2. What does Plato tell us about Herodicus, and what sayings of Pindar and Phocylides does he criticize in the Third Book of the Republic?

## FRENCH.

PROFESSOR RUDMOSE-BROWN.

## 1. Translate into English:—

Le comte portait un complet gris. Les manchettes de sa chemise s'effrangeaient sur sa main longue et fine.

Un chat noir se frottait aux meubles, faisant ses griffes sur un coffre de mariage, inestimable.

Le vieux serviteur apporta du fromage et une sorte de compote dans des ustensiles précieux, et au lieu de se retirer, resta, décidé à dire quelque chose qui le hantait visiblement.

— Monseigneur . . . fit-il de sa voix rude.

Le jeune homme leva sur lui ses beaux yeux à l'éclat fébrile.

— Monseigneur, il faut faire réparer la toiture, il pleut jusque dans la chambre d'honneur. Tout pourrit . . .

— Je le sais! répondit, d'une voix musicale, le comte.

— Monseigneur, il vaut mieux perdre quelque chose que tout ce qu'on a. A la place de Monseigneur, moi, je vendrais quelque bibelot, pour préserver le palais qui croule . . . Il croule, Monseigneur!

— Sichem est revenu, fit le comte durement; je t'avais défendu de recevoir ce corbeau qui guette ma dépouille.

— Monseigneur . . . Si Monseigneur voulait m'écouter . . . Il y a un poignard au grenier, un poignard qui ne sert à rien . . . Sichem en offre trois mille livres.

## 2. Translate into French:—

Having reached the top, and proceeded to the extremity of the ridge, I enjoyed one of the most delightful prospects that can be conceived. On the right hand was the road to Brittany, skirted by the lofty trees which form the public promenade, and running along the base of a green swelling hill, crested with tufted trees, and afterwards losing itself in thick groves. Directly in front of me was the castle with its gray donjon and lofty tower, throwing its vast shadow over the stream and valley below, and half concealing the tall poplars which shot up from the edge of the river, while the upper portion of them was covered with sunshine. On the left was the city of Falaise,—long lines of buildings, interspersed with large masses of verdure, and gilded by the morning sun. Early as it still was, the inhabitants were beginning to light their fires, and the smoke, curling up from these, was beaten down again by the wind, and spread itself, like a thin blue haze, over the narrow little valley which sweeps round the foot of the chateau.

## PSYCHOLOGY.

MR. ROGERS.

1. How did Descartes' conception of psychology differ from that of Aristotle?

2. What are the four possible explanations of the relation between Mind and Body?

3. How does Höffding's belief in the 'identity-hypothesis' drive him to postulate unconscious mental processes?
4. Explain what Höffding means by 'perception.'
5. Explain and discuss the meaning of James' saying, 'We do not cry because we are sad, but are sad because we cry.'
6. Distinguish between Determinism and Indeterminism, and mention arguments for and against each.

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ETHICS.

MR. ALTON.

[Full marks will be given for answering any SIX questions.]

1. Trace the arguments by which Aristotle arrives at his definition of Happiness. How does he criticize popular opinions about Happiness? How far, according to him, is Happiness affected by external conditions?
2. Compare Plato's views with those of Aristotle on the subject of Virtue.
3. Contrast the views of Plato and Hobbes on the State and Social Ethics. How do the psychological views of the latter clash with his political theories?
4. What are Kant's Postulates of Morality? How does he arrive at them?
5. Enumerate Bentham's 'Sanctions.' How are they supplemented by Mill? Show that Mill aggravates the fundamental weakness of Utilitarianism.
6. To what indications in human nature does Butler appeal to show that we are made as much for society, and to do good to our fellow-creatures, as we are intended to take care of our own life, and health, and private good?
7. What is Hume's view of the function of Reason in voluntary action? How does Mr. Rogers criticize this view?
8. State and criticize Spencer's theory of evolutionary morality.
9. Refer the following sayings to their respective authors, adding in each case a brief explanation and comment:—
  - (a) Man is the measure of all things.
  - (b) An erring Conscience is a chimaera.
  - (c) *Beatitudo non est virtutis praemium, sed ipsa Virtus.*
  - (d) Desiring a thing and finding it pleasant are, in strictness of language, two modes of naming the same psychological fact.
  - (e) A moral rule is a statement of a condition of social welfare.

## POLITICAL AND ECONOMIC SCIENCE.

MR. BASTABLE.

[FIVE questions to be selected; not more than THREE to be taken from either section.]

## SECTION A.

1. Illustrate the advantages of (a) division of labour, (b) organization, (c) specialization in modern society. How do these forces affect the scale of industries in different countries?
2. Examine the statement that under the conditions of modern industry competition equalizes the net advantages of occupations.
3. How would you distinguish between 'money' and 'credit'? Show the importance of credit in the development of trade, and notice the different ways in which credit may be granted.
4. Give a summary of Adam Smith's canons of taxation, and consider their fitness as rules for the administration of state finance.
5. 'High prices make high wages, and high wages make high prices.' Examine the accuracy of this way of stating the relation between wages and prices.

## SECTION B.

6. 'The Crown of England is a convenient working hypothesis.' Comment carefully on this statement with special reference to the way in which the powers of the Crown are actually employed.
7. Write a short account of the position of 'the ordinary member of Parliament.'
8. Sketch the development of the judicial powers of the House of Lords.
9. What are the negative and positive defects to which forms of government are liable?
10. Sketch the general character of the federal state with special reference to (a) the conditions that render it advisable, (b) the modes in which it may be organized.

## EDUCATION.

MR. HENRY.

[Answer four questions.]

1. Give a clear account of the contribution to educational theory of one of the following:—Comenius, Rousseau, Herbart, Thomas Huxley.
2. Describe the steps by which the present State-aided system of education has arisen in England. What institutions have not been absorbed into this system?
3. State the chief physiological characteristics of the nervous system, and indicate applications to the practice of education.



4. Show the value of conceptual processes in directing observation and organizing its results. .

5. 'The education of the past has aimed at developing intellect and will, leaving the emotions to take care of themselves.' Discuss the justice of this criticism, and suggest means for obviating the defect so far as it exists.

6. How far is it true to say that Spencer attempts to give moral education by essentially non-moral methods?

7. Discuss the meaning and aim of a liberal education, referring particularly to the views of Newman and Bagley on this subject.

8. Analyse the psychological meaning of the mental state of attention, and consider the most suitable means at the teacher's disposal for securing it.

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ENGLISH COMPOSITION.

MR. R. M. GYWNN.

Write an essay on *one* of the following subjects:—

1. Shakespeare's presentment of the strength and weakness of philosophy as a guide to life.

2. The formation, development, and consummation of the conspiracy against Julius Caesar.

3. Commerce and War.

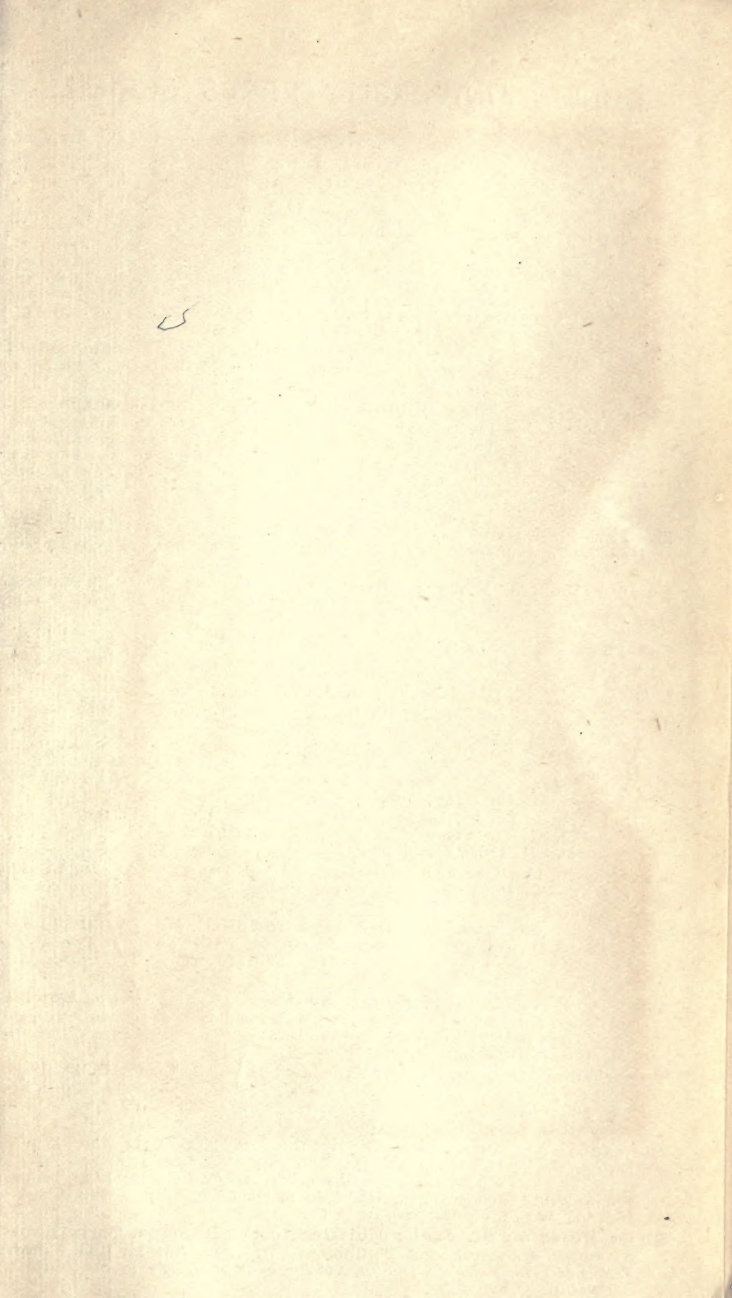
4. How we govern India.

$$7x + 28 - 15a + 9 - 4x + 42 = 2x + 25$$

$$\begin{array}{r} - 59 \\ \hline 2x + 47 \end{array}$$

$$3p + 9 + 6n = 1 \quad | \quad 7p + 12q + 4R = 5$$

$$\begin{array}{r} 21p + 15 + 42n = 7 \\ 21p + 69 + 42R = 3 \\ \hline 9 + 4n = 10 \end{array}$$



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